

# VARUN NITTUR SHEKAR

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## PROFESSIONAL PROFILE

As a motivated and dedicated **Master's student**, I bring a unique blend of academic excellence, practical experience, and a passion for continuous learning. With a focus on my **MSc in Intelligent systems and Robotics**, I have honed my skills and knowledge in key areas such as Machine learning, Fuzzy Logic systems, Embedded systems. My coursework, combined with hands-on projects, has equipped me with a solid foundation in Developing a PCB design board, applying fuzzy-rules to the systems, dealing with Machine Learning algorithms. I am eager to take on new challenges and continue my journey of growth and achievement. Talented and skilled at completing daily assignments and contributing to team success. Always willing to take on any tasks. Adapt quickly to new needs and policies. To work in an innovative and competitive organization, where I can apply my knowledge and expand my skills.

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## EDUCATION

- **MSc in Intelligent Systems and Robotics (Computer Science)**

Achieved with **Merit** | **University of Essex** | September 2022 – September 2023 | **Dissertation**: "RFID based Smart Parking System".

Key Modules Studied: Intelligent system and robotics, Programming Embedded systems, Machine Learning, Computer vision, ICT systems, Project on Vizux Blade smart glasses.

- **Security and Compliance**: I acquired skills in developing security measures and ensuring compliance with industry standards.
- **Image Processing**: I delved into image processing techniques, particularly using **deep learning neural networks**, enhancing my understanding of computer vision.
- **Programming Languages**: I developed a foundational knowledge of C# and honed my **Python** Programming skills.
- **Machine Learning**: I gained familiarity with **machine learning algorithms** and the associated terminologies, laying the ground work for advanced data analysis.
- **Problem-Solving and Fuzzy Logic**: I developed problem-solving abilities in **fuzzy logic systems**, which can be applied to complex decision-making processes.

These experiences have equipped me with a solid foundation in various technical domains, making me a versatile and well-prepared candidate for roles within the industry.

- **Bachelors of Engineering in Electronics and Instrumentation Engineering**

**RNS Institute of Technology**, Bangalore | August 2017 – July 2021 | **Project**: "IOT based Robotic Arm using NodeMCU ESP8266"

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## WORK SUMMARY

August 2021 - August 2022

**SONATA SOFTWARE LIMITED**, Bangalore, **INDIA**

With over a year of pertinent experience at Sonata Software Limited in the IT and software development sector, I've been deeply involved in technology projects within the realm of Microsoft Azure Cloud. My primary focus has been on supporting these projects, where I've gained substantial expertise in various facets of Azure Data Factory.

- Collaborated with team members to create applications' system analysis based on client requirements.
- Produced graphics and layouts with strong GUI design and user interaction knowledge.
- Improved SaaS infrastructure and developed high-quality eCommerce products.
- Operated in virtualized environment using **Docker** and **Kubernetes**.
- Have experience and exposure in **Agile methodologies**, building Microservices, worked on **Azure cloud services**.
- Had Professional Practice Management, worked on support projects and have been involved in Resource onboarding resources.

In addition to my technical competencies, I have substantial exposure and experience in working with **Agile methodologies**, aligning my work with the dynamic demands of software development projects. My involvement extends to Azure cloud services, where I've actively contributed to various aspects, including DevOps tools and technologies

My technical acumen isn't limited to Azure Cloud, as I'm well-versed in coding using **.NET languages**, making me adept at working with the **ASP.NET framework** and SQL Server. I've gained hands-on experience in **SQL** and **T-SQL**, which has allowed me to develop scalable web applications for clients utilizing **Mongo DB**

In summary, my professional journey at Sonata Software Limited has been marked by extensive experience in Azure Cloud, deep proficiency in **Azure Data Factory**, a strong foundation in .NET and SQL technologies, and an agile approach to software development. My capabilities extend to pivotal aspects of Azure Cloud services and **DevOps**, making me a well-rounded professional prepared to excel in technology and software development roles.

**June 2023 – Jan 2024** (Part Time )

**MORRISONS**, Wakefield, UK

- Completed and submitted appropriate paperwork in timely manner.
- Loaded, secured and organized goods into delivery lanes ahead of dispatch.
- Picked average of 1500 daily orders using picking voice system, and handheld RF scanners.
- By providing assistance with unloading of vehicles and checking in of stock. Sorting and placing materials or items on to racks and shelves . Collecting items from through out the warehouse, preparing and completing warehouse orders for delivery or pick up according to a schedule.

## TECHNICAL SKILLS

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- Familiar with python Languages
- Azure Devops
- MongoDB
- Azure data Factory
- .Net Languages
- SQL and T-SQL terminologies
- Machine Learning Algorithms
- Product development
- Software development
- Database programming
- Testing and maintenance
- Build releases
- Algorithm implementation
- Virtualization technologies
- Software deployment

## ACHIEVEMENTS

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During my academic internship at Gusto-valley Technology LLP, I engaged in an immersive program centered around Industry 4.0. This program was designed to provide me with hands-on experience and knowledge in various cutting-edge technologies and areas of expertise, including Internet of Things(IoT), wireless and cloud computing.

- Raspberry Pi and Python: I learned to interface with Raspberry Pi and develop programs in Python. This encompassed understanding data structures and their usage for efficient programming.
- Data Science: My internship introduced me to data science concepts, focusing on Python as a tool for data analysis.
- IoT Boards: I became proficient in programming and working with IoT boards, exploring their various applications.
- Participated in various IT festivals
- Took part in Intra college tournaments
- Member of Cultural Activity Team (CAT)

## **PROFESSIONAL SKILLS**

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- Problem solving abilities
- Grasp new concepts
- Good Leadership skills
- Time Management
- Co-ordination
- Written Communication

## **INTERESTS**

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- Snooker
- Volunteer and Community involvement
- Photography
- Reading Books

## **LANGUAGES**

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- English
- Hindi
- Kannada
- Tamil
- Telugu