Shoyeb Rampure

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Shoyeb Rampure - LinkedIn | GitHub

INFORMATION SCIENCE ENGINEERING STUDENT

Motivated Information Science Engineering student (7th Semester) with practical experience in AI-powered and data-driven solutions. Proficient in Java, Python, C, and SQL with a strong grasp of AI/ML, IoT, and data analytics. Demonstrated innovation and leadership through impactful projects like DOT an AI-based Braille device. Passionate about leveraging technology to solve real-world challenges and drive social impact.

KEY COMPETENCIES

- **Programming Languages:** Java, C, Python, HTML, CSS, JavaScript
- **Technical Skills:** DSA, OOPS, OS, DBMS, CN
- **Specialized Knowledge:** Amazon Web Services (AWS), Cloud Computing, Web Development, Artificial Intelligence (AI), Machine Learning (ML), Internet of Things (IoT)

EDUCATION

B.N.M. Institute of Technology   Dec 2022- Present
B.E. – Information Science and Technology   Bangalore, India
CGPA - 8.55

Kayaka Foundation P U College   June 2020- Aug 2022
Senior Secondary   Gulbarga, India
Percentage – 91.4

PROFESSIONAL EXPERIENCE

ISRO-ISTRAC   June 2025- present
Project Intern   Bangalore, India
- Currently working under the Navigation Systems Area (NSA) at ISRO–ISTRAC.
- Designing and developing a real-time Apache Kafka architecture for efficient data ingestion and streaming.
- Implementing reliable data access and monitoring pipelines from system monitoring modules.
- Contributing to the scalability and performance optimization of real-time space communication systems.

THETA DYNAMICS PVT. LTD.   Aug 2024- Oct 2024
Cyber Security Intern   Bangalore, India
- Identified and classified security threats, improving incident detection and response
- Analyzed security logs and monitored network activity for vulnerabilities and anomalies
- Conducted basic vulnerability assessments and supported penetration testing efforts
- Assisted in implementing cybersecurity policies and best practices to enhance protection

BNM INSTITUTE OF TECHNOLOGY   Aug 2023 – Oct 2023
Full Stack Intern   Bangalore, India
- Built and maintained full-stack web applications using technologies like HTML, CSS, JavaScript, Node.js, and MongoDB/MySQL
- Developed user interfaces and integrated them with RESTful APIs
- Participated in code reviews, debugging, and deployment processes
- Gained hands-on experience with version control systems like Git and platforms like GitHub

ACADEMIC PROJECTS

- **DOT- The AI Powered Braille – Braille Learning Device**
  - Tech Used: JavaScript, HTML, CSS, Lama AI, Embedded Systems, MySQL, Arduino IDE.
  - Purpose: Interactive educational web app and hardware device for real-time Braille learning and teaching
- **Smart Helmet – Multifunctional Safety and Navigation System**
  - Tech Used: GPS, Bluetooth, Speakers, Microphone, Gyroscope, IoT, Sensors
  - Purpose: Designed a smart helmet featuring real-time navigation, accident detection, GPS tracking, Bluetooth connectivity, audio communication, and motion sensing via gyroscope to enhance rider safety and convenience

- **Healthcare Chatbot – AI-Based Disease Prediction and Recommendation System**
  - ◦ Tech Used: Python, Machine Learning, Datasets, NLP, Flask
  - ◦ Purpose: Developed a chatbot to analyze symptoms, predict possible diseases, recommend treatments, and improve predictions using healthcare datasets
- **Smart Calorie Detection – IoT-Based Calorie Estimation System**
  - ◦ Tech Used: Load Sensor, IoT, Python, Arduino
  - ◦ Purpose: Built a system detecting food weight via load sensor, estimating calories, and displaying nutritional info for effective intake monitoring

AWARDS AND ACHIEVEMENTS

- **Gold Medalist |** *INEX-International Invention & Innovation Expo* **| Goa**
  Represented India and clinched the gold medal in the AI and Technology domain for the DOT-AI Powered Braille Project, competing against 20 countries in 15 domains.
- **First Prize |** *Ideathon at Jyothy Institute of Technology* **| Bangalore**
  Awarded first place out of 80 teams from across Karnataka for innovative solutions.
- **First Prize |** *Sparkathon at RajaRajeswari College of Engineering* **| Bangalore**
  Awarded first place out of 80 teams from across Karnataka for innovative solutions.
- **2nd Runner-up | PEC hacks 2.0 at Panimalar Engineering college | Chennai**
  Secured 2nd runner-up in 36 hours hackathon
- **Project Presenter |** *NASSCOM Technology Confluence* **| Bangalore**
  Presented the DOT project at a premier technology conference held at Radisson Blu, Bengaluru, among top industry leaders.

COURSES AND CERTIFICATIONS

- Amazon AWS Foundation | AWS
- Generative AI - Introduction and Application | IBM
- Artificial Intelligence & Machine Learning | Infosys Springboard
- Python for Data Science | Infosys Springboard
- CompTIA Network+ Prep Course | Infosys Springboard
- Data Structures and Algorithm using JAVA | Infosys Springboard
- Introduction to MongoDB for Students | MongoDB