

# Bhuvan Gowda A R

Dublin, Ireland

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## PROFILE

Master's student in Software Design with AI and Junior Software Engineer with experience in full-stack development, Machine Learning, and Cloud deployment. Skilled in building end-to-end applications including data pipelines, ML model development, and containerized REST APIs on AWS.

## EDUCATION

**Technological University of The Shannon: Midlands Midwest**

**Athlone, Ireland**

*Master of Science in Software Design with AI*

*Graduation Date: Sept 2026*

- Advanced subjects in software design, artificial intelligence, machine learning, data analytics, and intelligent application development.

**Acharya Institute of Technology**

**Bengaluru, India**

*Bachelor's in Computer Science and Engineering (CGPA: 9.2)*

*Graduation Date: June 2025*

- Acquired strong academic foundation in Computer Science and Engineering through coursework in programming, data structures, database systems, and computer networking.
- Awards: Best Outgoing Student award, silver medal in Academics

## WORK EXPERIENCE

**System Software Engineer | Redhat, India**

**Jan 2025 – Jun 2025**

- Administered and maintained **RHEL systems**, implementing user/group management, LVM, and filesystem configuration, **enhancing system stability and operational efficiency**.
- Configured and secured critical services and applied **SELinux policies and ACLs**, ensuring **secure access and compliance**.
- Applied Linux security measures (**file permissions, ACLs, SELinux policies, firewall rules**), **strengthening system security and compliance**.

**Software Engineer Intern | Xoriant Maple Labs, India**

**Aug 2024 – Jan 2025**

- Developed application modules using **Java, Python, and JavaScript** following **Agile** practices.
- Performed **code reviews, unit testing, and bug fixing** to improve software quality.
- Worked with **REST APIs, databases, and Git** in a production environment.
- Participated in Agile ceremonies (sprint planning, daily stand-ups, and retrospectives) while tracking tasks using Jira and following SDLC best practices

## PROJECTS

**ChatriX: Real-Time Chat Application (Node.js & Socket.IO)**

- Engineered backend functionality using **Node.js and Socket.IO** to support **real-time messaging** for multiple concurrent users.
- Designed and implemented **multi-room chat architecture**, enabling users to create, join, and communicate within separate chat rooms efficiently.
- Deployed and managed the application on **AWS**, ensuring **scalable, low-latency, and reliable message delivery** across multiple connections.

**LeaseEase: Intelligent Rental Management System**

- Built a full-stack Lease Management System using **Next.js, Node.js, Prisma, and MySQL** to manage tenant onboarding, lease records, and rental workflows.
- Designed and implemented secure REST APIs for **tracking, payment status monitoring, and automated reminder notifications**, improving operational efficiency for landlords and tenants.

- Developed responsive dashboards and reporting features for **real-time rent and payment insights**, enabling data-driven decision-making.

### **CellSense: Intelligent Cell Analysis | Python, Scikit-learn, Streamlit**

- Developed a **machine learning model** to classify cancerous vs. non-cancerous cells, enabling early detection and aiding medical analysis; implemented **data preprocessing, feature engineering, and model evaluation** to ensure high accuracy.
- Built an **interactive Streamlit interface** for users to upload cell images and receive real-time diagnostic predictions, demonstrating practical deployment of AI in healthcare solutions.

## **SKILLS & INTERESTS**

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- **Programming & Development: Python, Java, JavaScript, C** — implemented full-stack applications, automation scripts, and ML pipelines.
- **Web & Backend: Node.js, Next.js, Express.js, Flask, RESTful API, HTML, CSS** — developed scalable web services, dashboards, and interactive user interfaces.
- **Databases & Data Management: MySQL, MongoDB, PostgreSQL** — designed schemas, optimized queries, and managed relational & NoSQL data.
- **Tools & Platforms: Git, GitHub, Docker, Linux (RHEL), AWS** — handled version control, containerized deployments, server management, and cloud integration.
- **Machine Learning & Data Science: PyTorch, TensorFlow, scikit-learn, NumPy, Pandas** — built, trained, and deployed ML models for real-world applications.
- **ML Concepts: Supervised & Unsupervised Learning, CNNs, Transformers, Feature Engineering, Model Evaluation** — applied to predictive modeling and computer vision tasks.

## **ACHIEVEMENTS**

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- AWS Certified Solutions Architect
- Oracle Certified AI foundations Associate
- RedHat Certified System Administrator

## **HOBBIES**

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- **Music & Performing Arts:** Trained in Indian classical and devotional music; award winner in inter-college competitions and active participant in cultural programs throughout the state.
- **Leadership & Event Management:** Experienced in organizing and leading student activities, cultural events, and **hackathons**, including NSS initiatives and college-level technical and cultural programs.
- **Continuous Learning:** Committed to professional growth through online courses and practical experimentation in Data Science, Machine Learning, and Cloud Computing.

## **REFEREES**

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**Name:** Shrutika C Rampure

**Job Title:** Assistant Professor

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