SHRIKANT BIPINKUMAR

shrikantbk06@gmail.com • +61 451916502 • Strathfield, NSW
LinkedIn

SUMMARY

Software engineer with hands-on experience in full-stack development, cloud deployment, and scalable microservices. Proficient in Java, React, AWS, and SQL with a Master's in Software Engineering from the University of Sydney. Passionate about building robust, secure systems and continuously learning modern technologies.

PROFESSIONAL EXPERIENCE

Programmer Analyst
Cognizant Technology Solutions, India   **Sep 2022 - June 2023**

- Engineered microservices in Java (Spring Boot) and deployed on AWS, reducing latency by 20%.
- Built responsive React components and integrated them with RESTful APIs for enhanced UI performance.
- Participated in sprint planning, code reviews, and implemented automated tests using JUnit and Mockito.

Java Full Stack Engineer - Internship
Cognizant Technology Solutions, India   **Feb 2022 - Aug 2022**

- Assisted in developing Java Spring Boot micro services and integrated them with PostgreSQL databases.
- Built and tested React components for dynamic, API-driven user interfaces.
- Supported deployments on AWS, gaining exposure to cloud-based application architecture.
- Collaborated with senior engineers in an Agile team, participating in code reviews and sprint ceremonies.

EDUCATION

The University of Sydney, Australia
Master of Professional Engineering (Software)   **2023 - 2025**

Vellore Institute of Technology, Vellore, India
Bachelor of Technology - Computer Science & Engineering   **2018 - 2022**

Taylor's College, Malaysia
GCE Cambridge A-Levels   **2016 - 2018**

PROJECTS

Capstone: Advanced Group Testing for Community Infection Control
University of Sydney | June 2024 – June 2025
- Simulated infection spread using graph models (Erdős–Rényi, Barabási–Albert, Watts–Strogatz).
- Implemented 4 testing strategies (Naive, Dorfman, Two-Stage Adaptive, GCAGT) in Python.
- Evaluated test count, accuracy, and error rates across varying infection scenarios.

Face Detection-Based Attendance System
Python, OpenCV, Flask
- Developed a camera-based attendance app with 95%+ recognition accuracy.

Fruit Recognition System
Python, TensorFlow, Image Processing
- Trained a CNN model on 22 fruit categories, achieving 98% classification accuracy.
- Preprocessed 2200+ images and visualized predictions using Matplotlib.

Interactive Cybersecurity Chatbot
Java
- Developed a chatbot that simulates real-world cyber threat scenarios using predefined JSON prompts.
- Integrated backend logic in Java to trigger responses and simulate phishing awareness.

KEY SKILLS

- **Programming Languages:** Java, Python, JavaScript, SQL, C, C++, C#, HTML, CSS, R
- **Frameworks & Libraries:** Spring Boot, React, Angular, Node.js
- **Cloud & DevOps:** AWS, Docker, CI/CD
- **Tools:** Git, JUnit, Mockito
- **Databases:** MySQL, PostgreSQL, DynamoDB
- **Software Practices:** Agile, Microservices, System Design
- **Other:** Image Processing, Cybersecurity (Encryption, Digital Signature), Unity (2D/3D Game Dev)

ADDITIONAL EXPERIENCE

Production Assistant   April 2024 - April 2025
Dinosaur Designs, Sydney, Australia
- Collaborate with the production team to ensure smooth operation in the manufacturing of design products.
- Monitor production processes, maintaining high-quality standards in the production line.
- Assist in troubleshooting production issues and ensuring the timely delivery of products.
- Manage inventory and support efforts to improve production efficiency.

LANGUAGES

- **English:** Full Professional Proficiency
- **Hindi:** Full Professional Proficiency
- **Malayalam:** Native or Bilingual Proficiency
- **Tamil:** Professional Working Proficiency