Davis Sebastian

No.47 STS BSF Road, Sathanur, Bengaluru, Karnataka 560063
+91 9739570216 sebastiandavis109@gmail.com github.com/davis109

Summary

Software Developer with expertise in the MERN stack, Python, and Java, and a proven ability to build impactful applications from concept to deployment. Adept at leveraging cloud technologies like AWS and developing scalable solutions with a strong foundation in data structures and algorithms. Eager to contribute to a challenging software engineering role.

Education

Atria Institute of Technology, *Bengaluru, Karnataka*
Bachelor of Engineering in Computer Science and Engineering *Dec 2022 – May 2026*
CGPA: 8.963

Technical Skills

Languages: Python, Java, C, JavaScript (ES6+), SQL, HTML, CSS
Frameworks & Libraries: React, Node.js, Express.js, Flask, Tailwind CSS, Bootstrap, Selenium, Socket.IO
Databases: MongoDB, MySQL, PostgreSQL
Cloud & Deployment: AWS (EC2, S3), Docker, Firebase
Developer Tools: Git, GitHub, VS Code, Eclipse, Postman, Android Studio, SQL Server Integration Services

Experience

Commonwealth Bank of Australia, *Bengaluru, Karnataka*
Software Engineer Apprentice *July 2025 – Present*

- Engaging in a 355-hour structured apprenticeship program focused on in-demand software engineering principles.
- Contributing to enterprise applications by applying skills in full-stack development (MERN), cloud deployment (AWS EC2, S3), and data engineering (Python, PySpark).

Calyirex Technologies Private Limited, *Bengaluru, Karnataka*
Full Stack Developer Intern *April 2025 – June 2025*

- Engineered and launched fully responsive websites for 2 early-stage startups using the MERN stack, focusing on high performance and clean UI/UX design.
- Architected and deployed two reusable website templates, which streamlined the new client onboarding process and reduced initial project setup time.

Projects

Virtual Try-On for Ecommerce

- Engineered an Al-powered virtual try-on solution using Python, OpenCV, and TensorFlow to enhance the online shopping experience on e-commerce platforms.
- Integrated third-party APIs for secure file handling and optimized image processing pipelines for real-time performance in interactive shopping sessions.

Learning Management System (LMS)

- Architected a full-stack MERN application, integrating JWT for role-based authentication, PayPal for secure payment processing, and Cloudinary for media management.
- Designed a RESTful API with over 20 endpoints and a NoSQL database schema to manage users, courses, payments, and progress tracking.

VTU Results Extractor

- Developed a web automation tool using Python, Flask, and Selenium to scrape, process, and export student results in batches from the university portal.
- Implemented features for manual CAPTCHA entry, dynamic USN range handling, and robust error handling to ensure high reliability and minimize manual effort.

Achievements & Awards

- **Product Impact:** Managed the VTU Results Extractor from concept to launch, an automation tool that has successfully processed over 1,200 student results.
- **Leadership in Sports:** Led the university football team as Vice-Captain, securing victories in multiple state-level, inter-collegiate tournaments.
- **Innovation Award:** Awarded 1st Place at an Inter-School Science Exhibition for developing a Real-Time PPE Compliance Monitor, an Al-powered object detection system using Python and OpenCV.