HARINI ANAKALA

561-843-6514◇ hanakala29@gmail.com ◇ Boca Raton, Florida
◇ linkedin.com/Harini-anakala ◇ github.com/Harini-anakala

SUMMARY

Software Developer and Computer Science graduate student (CGPA 3.89/4.0) with hands-on experience in full-stack development, cloud technologies, and machine learning. Skilled in building scalable web applications using React, Node.js, Express, Django, and MongoDB, and developing secure REST APIs with strong CI/CD and Agile practices. Experienced with Python, C++, Java, JavaScript, SQL, and AWS, with a proven ability to optimize performance, enhance UI/UX, and deliver high-impact features. Developed ML solutions using CNNs, TensorFlow, PyTorch, and OpenCV, achieving measurable accuracy improvements in real-world projects. Adept at collaborating in cross-functional teams, solving complex technical problems, and delivering user-focused, reliable software products.

EDUCATION

Masters in Computer Science **Jan 2024 - Dec 2025 / CGPA:3.89**
***F*lorida Atlantic University**, Boca Raton, FL
Coursework: Analysis of Algorithms, Software Engineering, Database Systems, Cloud Security, Intro to Data Science, Deep Learning

SKILLS

- **Programming Languages:** C++, Python, C, Java, JavaScript, Go
- **Web Technologies:** React.js, Angular, Django, Node.js, Express, HTML, CSS, Bootstrap, Webpack, REST API
- **Databases & Tools:** PostgreSQL, MongoDB, SQL, Docker, Github, Automated testing, Cypress, Postman, DevTools, Render
- **Methodologies & Practices:** Agile, Scrum, Kanban, WCAG, Test-Driven Development, MVC Architecture
- **Machine Learning:** TensorFlow, Keras, PyTorch, Scikit-learn, OpenCV, Pandas, NumPy, Matplotlib
- **Cloud & Other:** AWS, Linux, Windows, MS Office, Visual studio, Microsoft Azure

WORK EXPERIENCE

Software Developer- Virtusa, India Oct 2022 – Nov 2023

- Built full-stack features using React.js, Django, and MongoDB within a highly collaborative Agile team. Improved app speed by 15% and cut page loading time by 30% through performance optimizations and utilizing CI/CD.
- Managed all code changes and version control using Git. Collaborated with product managers to define needs, translating business goals into technical steps that led to 3+ key feature releases and raised user satisfaction scores by 20%.
- Created and scaled RESTful APIs that processed over 500 requests daily, ensuring data integrity through advanced error handling. Conducted rigorous testing and debugging to fix 20+ critical issues during development cycles.

Technology Intern - NextGen,India May 2021 – May 2022

- Developed front-end user interfaces using React.js and JavaScript, contributing to feature updates that improved the user experience.
- Assisted the back-end team by writing basic APIs in Node.js and Express, managing data interaction with PostgreSQL databases.
- Followed Agile methodologies (Scrum) and used Git and Github for version control and collaborative code management, submitting daily commits and participating in code reviews.

PROJECTS

Dream estate - MERN Stack.

- Engineered a full-stack real estate platform using Node.js, Express.js, and MongoDB, integrating Google OAuth/JWT for secure authentication, and adopting Agile workflows to reduce feature deployment time by 20% for 500+ active users.
- Designed RESTful APIs handling 500+ property listings and a responsive front-end with Vite & Tailwind CSS, improving page load speeds by 30%, boosting user engagement by 25%, and reducing cognitive load by 20%.

Shelfwise - MERN Stack.

- Engineered a full-stack book review platform using Node.js, Express.js, and MongoDB, implementing Google OAuth/JWT authentication for secure user accounts and integrating Scrumban methodology to reduce feature development cycles by 20%.
- Designed responsive front-end with MVC architecture and Vite, optimizing page load times by 30% through HCI-driven UI/UX enhancements that boosted user retention by 25%; built RESTful APIs and Firebase Storage integration.

Skin disease prediction using CNN

- Engineered a deep learning pipeline using CNNs to classify and predict skin diseases with high accuracy on medical imaging datasets, reducing misclassifications rates by 18% compared to baseline models.
- Designed and deployed a responsive UI with image upload, prediction visualization, and accessibility features, enabling patients and healthcare professionals to interact seamlessly and improving diagnostic usability.