Divya Sree Durga Devalla

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Education

Master's in Computer Science	**Aug 2024 – May 2026**
University of Illinois Chicago, USA	GPA: 4.0/4.0

  * **Planning Chair, GradSWE** – Organizing professional engagement events for graduate women in STEM.

Bachelor of Technology in Computer Science Spl. in Data Analytics	**Aug 2018 – Aug 2022**
Vellore Institute of Technology, Amaravati, India	GPA: 3.64/4.0

Technical Skills

Languages: Java, HTML, CSS, Python, R, SQL, JavaScript, C, C#, TypeScript, PHP, MATLAB
Frameworks & Tools: React, Node js, Next.js, Vue, Express, Spring Boot, Bootstrap, Django, Flask, FastAPI, Angular
Database(Raw and ORM): Oracle, MySQL, MongoDB, Redis, Cassandra, Postgres
DevOps: AWS, GCP (beginner), Jenkins, Ansible, Docker, Kubernetes, Azure (beginner), Git, Linux
Other: Machine Learning, UX Design(Figma), Data Analytics, Android, MS Excel, Web Scraping, Prompt Engineering

Experience

Graduate Research Assistant, *UI-Health*, *Chicago, USA*   **Apr 2025 – Present**

- Conducted orthopaedic research with Digital Image Correlation in MATLAB and developed a React app to present strain analysis from 50+ experiments.

Full Stack Engineer 2, *Verizon*, *Hyderabad, India*   **Jan 2024 – Jul 2024**

- Improved data accessibility by improving a web app hosting 50,000+ real-time reports; led UI/UX upgrades that boosted user efficiency based on internal feedback.
- Developed RESTful APIs using SpringBoot, Oracle DB and Node.js, leveraging stored procedures and a modular back-end architecture , and integrated 10+ external services like BI tools such as Tableau for seamless data access.
- Automated and integrated security scans across multiple internal projects in CI / CD pipelines, ensuring zero high- or medium-risk vulnerabilities in production deployments.
- Reduced development time by 30% by creating reusable React components, improving scalability across projects.

Full Stack Engineer 1, *Verizon*, *Hyderabad, India*   **Aug 2022 – Dec 2023**

- Built a role-based access mechanism integrated with SSO, securing access to 380+ workspaces and strengthening authentication for report hosting across internal platforms.
- Implemented dark mode for the entire app, boosting engagement by 20% and earning the **Pixel Pioneer Award**.
- Achieved 90% test coverage by writing robust JUnit and Jest tests, increasing reliability.

SDE Intern, *Verizon*, *Hyderabad, India*   **Feb 2022 – Jul 2022**

- Resolved 95% of production issues while being introduced to Agile methodology and Jira for issue tracking.
- Built and integrated real-time dashboards for workforce monitoring, reducing caller wait times by 20% , thereby improving staffing efficiency.

Projects

Vocalist – Voice-based Calendar and To-Do List

- Developed an interactive chatbot-type voice-based calendar and to-do list as a React application with a Flask (Python) backend, using the Web Speech API and integrating Cohere AI LLM to extract event details to auto-schedule tasks.
- Supports multiple voice commands in a context-aware system, enhancing conversational feedback and natural interaction.

VBLOG- University Blogging website

- Developed a full-stack blogging platform using the MERN (MongoDB, Express, React, Node.js) stack, enabling university students to write, share, and engage with blogs in a seamless digital environment.
- Introduced a dynamic tagging and categorization system, enabling users to filter and discover blog posts by topic and interest.