Saiteja Poluka

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EDUCATION

University of Colorado Boulder, Boulder, Colorado   **August 2024 – May 2026**
Master of Science in Computer Science   *GPA: 3.85/4.00*
Vasavi College of Engineering, Hyderabad, India   **August 2018 - June 2022**
Bachelor of Technology in Computer Science and Engineering   *GPA: 3.9/4.00*
Coursework: Databases, Object Oriented Programming, Analysis of Algorithms, Distributed systems, Computer Networks, Computer Vision, Machine Learning, Operating Systems, Software Engineering, Datacenter Scale Computing

SKILLS

• **Languages:** C, C++, Python, Java, Scala, HTML, CSS, JavaScript, SQL, XML, NOSQL
• **Development Tools:** Git, Jira, Jenkins, Kubernetes, Visual Studio, Postman, MS Office, Eclipse
• **Technologies:** Bootstrap, PHP, jQuery, MVC, SOAP, REST API, **React.js**, Node.js, Typescript, **Databases**, MySQL, MongoDB, PL/SQL, NoSQL, AWS S3, AWS REDSHIFT , OOP, ExpressJS, Yii 1.1, Google Cloud SQL, Google Cloud Storage, Google Cloud Compute Engine (VM), Prometheus, Pub/Sub, Logging, **Troubleshooting**, Networks, **Distributed Systems**, Hadoop, Spark, Microservices, **NLP**, NumPy, Pandas, PyTorch, TensorFlow, OpenCV, Flask, **Software Development**.

WORK EXPERIENCE

Darwinbox   Hyderabad, India
Full Stack Software Engineer I   **July 2022 – July 2024**
- Designed and developed scalable **APIs** to handle high traffic efficiently.
- Enhanced API and **MongoDB** pipeline efficiency, minimizing server response times by 30%, providing a faster, more seamless user experience.
- Led end-to-end development of features, managing requirements and ensuring timely delivery.
- Integrated multiple APIs (Veryfi OCR, Oanda, Fixer) to streamline **data extraction**, significantly enhancing processing speed by 40% and accuracy.
- Implemented advanced API integrations, raising user satisfaction through improved data handling capabilities, resulting in a 20% increase in positive user feedback.
- Built and maintained **front-end components** using **HTML**, **CSS**, and **JavaScript**, enhancing user interface and user experience, which contributed to a 25% reduction in user complaints related to UI/UX issues.
- Developed new reports using **microservices** in **Node.js**, enabling efficient report generation and data accessibility, reducing report generation time by 25%.
- Created additional report fields to support expanding user needs, simplifying data review and analysis processes, leading to a 20% increase in user engagement with reporting tools.
- Used **Yii 1.1** for backend development, ensuring efficient integration and maintaining system reliability.
- Enhanced report pipeline logic, improving MongoDB data integration reliability by 30%.
- Participated in code reviews, providing constructive feedback to support code quality and improve team collaboration.

Darwinbox   Hyderabad, India
Software Engineer Intern   **January 2022 – July 2022**
- Completed 3 months of intensive training in **Node.js**, **Express.js**, **GitLab,** and **PHP**, gaining hands-on expertise in full-stack development.
- Developed **REST** API endpoints using Node.js and PHP, facilitating seamless data interaction between the server and client applications.
- Implemented microservices architecture with REST endpoints, enhancing modularity and scalability.
- Designed and built a scalable web app, **Monthly Budget Planner**, using Express framework.

PROJECTS

Online Art Gallery, Full Stack Application(Awarded 1st place for the best project in class)
- This web application allows users to buy art (paintings, sculptures, photographs), also this platform will be more beneficial for Budding Artists.
  Technical Skills : HTML, CSS, JavaScript, PHP, MYSQL

Monthly Budget Planner, Full Stack Application
- Developed a web application enabling users to analyze monthly expenses versus income with line graphs for effective planning. The app supports to-do lists and seamlessly executes all CRUD (Create, Read, Update, Delete) operations.
  Technical Skills : NodeJS, MongoDB, HTML, CSS, JavaScript

Community Event Organizer, Data Center Scale Web Application
- Developed a web app for creating, managing, and exploring community events, with real-time RSVP and notifications, using Google Cloud services for scalability, email notifications, and Prometheus for monitoring.
  Technical Skills: Python (Flask), MySQL (Google Cloud SQL), HTML, CSS, JavaScript, Google Cloud Pub/Sub, Google Cloud Storage, Prometheus, SMTP

Driver Drowsiness Detection System, Machine Learning(Python, OpenCV)
- Successfully implemented a machine learning model that detects and provides alerts when a person's eyes are closed.