YASH VISHWAKARMA

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Education

United College of Engineering and Research   **Dec 2020 – Jun 2024**
Bachelor of Technology in Computer Science and Engineering   *Prayagraj Uttar Pradesh*
CGPA: 7.83/10

Work Experience

UOLO Edtech Pvt. Ltd.   **Jul 2024 – Jan 2025**
Associate Software Development Engineer   *Gurugram, Haryana*

- **Built a scalable SMS credit management system:** Developed a **React-based front end** and a **Node.js backend** with **Elasticsearch integration** to **manage SMS credits** for **4+ key modules** (**fees, admission, attendance, chat**). Enabled **real-time filtering** and **module-specific SMS activation**, ensuring **accurate charge deduction** for **10,000+ SMS transactions daily** by schools and parents.
- **Automated sales operations**: Engineered a **Python-based solution** to process **1M+ daily webhooks** from Bitrix24, integrating RabbitMQ for asynchronous messaging, **optimizing deal sync across 7+ pipelines**, eliminating manual effort, and enabling real-time collaboration across 7+ teams.
- **Optimized data synchronization workflows:** Developed a **custom Appsmith feature** to input a **spreadsheet ID and row range**, extracting **deal IDs and field IDs** to trigger an **API that syncs fields** with **Bitrix24**. Improved **data accuracy across 5+ pipelines** and reduced **manual updates by 90%**.
- **Automated large-scale data processing:** Designed and implemented a **cron job using Apache Airflow to sync 100,000+ records** from spreadsheets to the database. Addressed **critical edge cases** to achieve **99.9% data accuracy** in **deal-to-deal and company-to-deal synchronization**.
- **Resolved 60+ high-impact issues:** Diagnosed and fixed **critical bugs** across multiple **microservices** (Node.js, Python) and **React.js front-end applications**. Enhanced **system stability**, improved **user experience for 10,000+ users**, and consistently met **100% of project deadlines**.
- **Reviewed 80+ pull request:** Conducted **comprehensive code reviews** to enforce **coding standards**, optimize **performance**, and ensure best practices adherence. Collaborated with **12+ developers**, improving overall **code quality and scalability**.

Sarvmatre International Pvt. Ltd.   **May 2023 – Nov 2023**
Software Engineer Intern   **Mode –** *Remote*

- Implemented seamless **authentication** with **social login/signup** (Facebook, LinkedIn, Google) using **Node.js, Express.js, and MongoDB**, increasing **user sign-ups by 30%** and boosting **user engagement**.
- Designed and developed key user interfaces, including the **Login/Signup Page, Dashboard, and Cart Page** using **React.js**, ensuring a smooth and responsive user experience.
- Collaborated seamlessly with Ui/UX and frontend team, resulting in a **20% reduction in production delays**.

Projects

Study Notion / *ReactJs, Redux, NodeJs, MongoDb* || [Project Link](#)

- Engineered a comprehensive Ed-tech platform facilitating student enrollment and instructor course creation.
- Used *MongoDB* as the database, and *Node.js* for building multiple REST API endpoints.
- Enabled payments through **Razorpay**, resulting in improved user engagement and increased platform monetization.
- Used *JWT* tokens for robust authentication and integrated **Redux** for effective state management.

Technical Skills

Languages/Programming: Java, C, Python, HTML5, CSS3, JavaScript, TypeScript, SQL
Developer Tools: VS Code, Postman, Git, Github, Bitbucket, Docker
Technologies/Frameworks/Libraries: React.js, Node.js, Express.js, REST API, Message Queues, S3, EC2
Databases: MongoDB, MySql, PostgreSQL, Redis
Relevant Coursework: Data Structure and Algorithms, Object- Oriented Programming, DBMS, System Design