PRATIK MISHRA

+1 (440)-506-1890 | linkedin.com/in/pratik-mishraa | p.mishra23@vikes.csuohio.edu | Cleveland, Ohio

Summary

Full Stack Software Engineer with over 2 years of work experience in building scalable web applications, microservices, and RESTful APIs. Currently pursuing MS in Software Engineering at Cleveland State University (Graduating Dec 2026), Proficient in Python, Java, Spring Boot, Angular, React, with a strong hands-on experience of cloud computing (AWS, Linux), database (PostgreSQL, MySQL), and Shell Scripting. Passionate about leveraging AI & Machine Learning in software systems. Seeking internships and full-time roles in AI/ML development and software engineering

Education

Cleveland State University   **Jan. 2025 – Dec. 2026**
Master of Science in Software Engineering   Cleveland, Ohio
Coursework – Data Mining and Machine Learning, Deep learning, Engineering Statistics, Software Engineering, Software Project Management, Software Quality Assurance, Software Architecture, Artificial Intelligence.

University of Mumbai   **Aug. 2018 – June 2022**
Bachelor of Engineering in Information Technology   Mumbai, India
Coursework – Web Development, Java, Python, Front end, Computer Network, Cloud Computing, Data Structures and Algorithm, Operating Systems.

Technical Skills

Languages: Python, Java, JavaScript, Typescript, HTML5, CSS, SQL
Frameworks & Libraries: SpringBoot, Java Collections Framework, Angular, React.js, Node.js, Chart.js
Tools & Technologies: RESTful APIs, Micro services, Git, JSON, JMeter, Postman, Liferay DXP
Databases: MySQL, PostgreSQL, Oracle DB, Redis, MS-SQL
Methodologies: Agile, Scrum
Cloud & DevOps: AWS, Linux servers, Shell scripting, Cron jobs

Experience

NSEIT LIMITED   Nov. 2022 – Sept. 2024
➤ **Full Stack Web Developer**
- Architected and implemented **microservices** for CCIL (Clearing Corporation of India Limited) and Clearcorp, modernizing legacy systems using **Liferay DXP**, **Spring Boot**, and **PostgreSQL** on **Linux** servers, resulting in **50% improved system** performance and scalability.
- Developed and deployed **Spring Boot APIs** to render data from **database** tables in the form of card views (carousel) and tables using **JSP** and **JavaScript**, enhancing user interface and data representation.
- Created and implemented responsive **data visualization** components using **Chart.js** and **JavaScript**, reducing load times by 50% compared to **Kibana**, and improving real-time stock market data representation.
- Engineered **RESTful APIs** for hierarchical approval systems with email notifications, enhancing B2B communication efficiency and streamlining approval processes across multiple organizational levels.
- Built end-to-end **Angular** and **Spring Boot** applications for NSE's IFSC ENIT, implementing menu mapping features for improved user experience and seamless navigation.
- Collaborated with cross-functional teams to gather requirements, design system architecture, and implement solutions that met business needs and regulatory compliance standards
➤ **Associate Systems Analyst - trainee**
- Played a key role in the migration of NSE IFSC and NSE IFSC clearing websites from **AWS** servers to on premise infrastructure, ensuring minimal downtime and maintaining data integrity throughout the transition process.
- Set up a content management system based on **Node.js, React.js,** and **Drupal**, streamlining web content updates for end users and reducing dependency on technical teams for content modifications.
- Configured and optimized **MS-SQL** database servers on **RHEL8 Linux**, addressing compliance requirements during server audits and implementing best practices for database security and performance.
- Developed and deployed **shell scripts** for automation of routine tasks, and set up **cron jobs** on production environments, significantly reducing manual interventions and improving operational efficiency which resulted in 75% faster accessible and start time of all the services.
- Conducted thorough testing and debugging of applications in both UAT and production environments, ensuring high quality deliverables and minimal post-deployment issues and provided 20+ hours of production support.
- Assisted in resolving grey box issues related to compliance during server audits, implementing necessary security measures and documentation to meet regulatory standards.

Achievements and Certifications

- 2nd place in tech challenge conducted by NSEIT - Built a Fraud Detection System in collaboration with team of 6.
- Google's certification on Generative AI – Fundamentals.
- Introduction to Data Analysis using Microsoft Excel.
- NSE Academy's Certificate in Financial Markets (NCFM) Financial Markets: Beginners Module.