Prajwal Mrithyunjay Hulamani

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EDUCATION

Master's in Computer Science   May 2026
University of Texas at Arlington, Arlington, Texas, USA

Bachelor of Engineering in Computer Science and Engineering   Jul 2022
JSS Academy of Technical Education, Bangalore, Karnataka, India

PROFESSIONAL   EXPERIENCE

Software Engineer   Bengaluru, India
Nuvepro Technologies Private Limited   Dec 2022 – Jul 2024

- **Spearheaded the development of validation codes for MSSQL, MySQL, and other database-related assessment projects using Java, improving validation coverage by 85%.**
- **Delivered scalable solutions leveraging Core Java, Spring Boot, and Servlets, resulting in a 40% improvement in processing efficiency for client applications.**
- **Enhanced backend system performance and accuracy, reducing error rates by 60% and meeting stringent industry benchmarks.**

Software Engineer - Intern   Bengaluru, India
Nuvepro Technologies Private Limited   Sep 2022 – Dec 2022

- **Created and enhanced validation logic for the MSSQL assessment project in Java, increasing system robustness by 70%.**

- **Developed unit tests that boosted code reliability by 50% and shortened debugging time by 35% through focused performance improvements.**

- **Defined the problem statement, estimated timelines, and documented the architecture for a new validation project, reducing onboarding time for future developers by 30%.**

- **The key aspect of the role involved designing validation codes for MSSQL assessments to ensure the accuracy and validity of user-submitted SQL queries.**

Intern   Bengaluru, India
ELCITA   Mar 2022 – Jun 2022

- **Facilitated to the Smart City initiative by developing a healthcare service web application, enabling 24/7 secure access for over 5,000 e-citizens.**

- **Implemented secure login functionality that strengthened data privacy compliance by 90%.**

- **Enabled seamless integration between the citizen and admin portals, improving service request resolution speed by 45%.**

PROJECTS

PharmaLens

- **A full-stack AI-powered prescription analysis platform using Spring Boot, Next.js, Flask (Python), and MySQL.**

- **Developed NLP-driven drug interaction checks that improved medication safety coverage by 80%, and autogenerated patient-friendly summaries that reduced consultation time by 30%.**

- **Enhanced platform scalability by optimizing database queries, which decreased prescription analysis time by 12% and ensured support for over 10,000 prescriptions analyzed monthly([Github](#)).**

TriagePro

- **Built a full-stack AI-driven patient triage and appointment system using Spring Boot, Next.js, and Flask (Python), enabling intelligent symptom analysis that improved triage accuracy by 65%.**

- **Interactive dashboards that reduced admin workload by 40%, and seamless appointment scheduling for 5,000+ users, all within a modern, responsive UI[(Github)](#).**

SKILLS

- Programming Languages: **Java (Core Java, Spring Boot, JavaServer Pages (JSP),Spring Security, JUnit, Mockito, Spring Web), Python (Fundamental Understanding, AI model development, data analysis),Next.js**
- Databases: **MySQL, MSSQL,MongoDB,PostgreSQL**
- Frameworks: **Spring Boot, Spring Security, JUnit, Mockito, Spring Web,JSP**
- Tools: **Amazon Web Services (EC2, RDS, S3)**