

PRATHAM MITTAL

Ludhiana, Punjab

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EDUCATION

Chandigarh University | CGPA: 8.3

Bachelor of Engineering in Computer Science

August '20 – Present

Mohali, Punjab, India

New G.M.T Public School | Percentage: 94

Senior Secondary High School

February '19 – March '20

Ludhiana, Punjab, India

SKILLS

Languages & Frameworks: C++, C, Java, Python, SQL, JSON

Technologies / Frameworks: Linux, GitHub, SpringBoot, Robot Framework, Git, Mongo, Redis, Kafka, Kubernetes, Software Testing

CourseWorks: Data Structures & Algorithms, Operating Systems, Web Development, Database Management System (DBMS), Machine Learning, OOPS Concept, Automation & CI/CD, Agile Methodologies(JIRA, Confluence)

EXPERIENCE

Nokia

July '23 – May '24

R&D Intern

Gurgaon, Haryana, India

- Spearheaded the strategic development of **Test Automation Suite** using **Robot Framework**, achieving a 95% reduction in testing time and a 40% increase in test coverage.
- Implemented robust logging utilizing **SLF4J framework**, enhancing code transparency and improving error detection and diagnosis, significantly reducing troubleshooting time by 60%.
- **Diagnosed code-level bugs in under 24 hours**, enhancing product performance and reducing user-reported issues by 12%, resulting in a 20% increase in customer satisfaction.
- Conducted comprehensive testing with diverse clients across **functionality, regression, upgrades, and performance**; identified and resolved issues, enhancing user satisfaction and **reducing support tickets by 35%**.
- Aligned testing procedures with customer requirements through close collaboration with cross-functional teams, resulting in a **7% improvement in product quality**.

Internshala

June '22 – July '22

Machine Learning Trainee

Online

- Completed various machine learning projects, demonstrating expertise in **Supervised** and **Unsupervised** techniques with high accuracy.
- Secured over 90% accuracy in house price prediction, highlighting model success in property value estimation.

PROJECTS

Journal Application | Java Spring Boot, Redis, MongoDB, Kafka

May '24

- Developed a Journal Application using Java Spring Boot, Redis caching, and MongoDB, improving retrieval speed by 40% and reliability by 35%.
- Engineered secure RESTful APIs for journal entries, implementing **authentication** and **authorization**, boosting user data security by 80% and application reliability by 25%.
- Deployed Apache Kafka for event-driven architecture, boosting **scalability** and **real-time data processing** in the journal application.

SmartMail | Java, Spring Boot

Feb '24

- Developed Project SmartMail for efficient email delivery with customizable content and attachments, achieving a 20% increase in delivery speed and user satisfaction.
- Established unit testing framework, achieving **96% code coverage**, and verifying email functionality and message integrity.

ACADEMIC ACHIEVEMENTS & CERTIFICATIONS

- Software Testing - Swayam NPTEL
- Awarded with **MOOC Excellence Award** for Best performance in NPTEL Software Testing exam
- Data Mining - Swayam NPTEL
- An Introduction to programming with Python - Coursera
- JAVA 11, beyond basics - Infosys SpringBoard