Arinjay Shukla

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EXPERIENCE

Oracle, TPD Bengaluru, India
Associate Software Developer *Aug 2023 – Present*

- Implemented batch-processing in the GUI with backend-supported parallel API calls and Gzip compression, **reducing payload size by 80%** and **improving execution speed by 60%**.
- Processed and analyzed **1M+ Diameter packets daily** to identify network anomalies; built dashboards to visualize results, **reducing latency bottlenecks by 30%**.
- Built time-series forecasting models on **10K+ user patterns**, improving server **scaling decisions by 35%** and preventing peak-hour congestion.
- Created a recovery utility to bypass fatal errors during upgrades, eliminating full reinstalls; resolved **75% of upgrade issues** across 500+ deployments and **reduced incident rates by 90%**.
- Designed automated stress and memory validation tools for **5+ hardware modules**, reducing hardware **failure rates by 40%** and **debugging time by 60%**.
- Redesigned dashboard GUI by integrating **10+ reusable widgets**, improving functionality and reducing load times.

Oracle, TPD Bengaluru, India
Project Intern *Jan 2023 – Jul 2023*

- Developed a terminal-based UI suite to manage upgrade workflows across **100+ systems**, **reducing manual effort by 70%** and improving execution speed.
- Implemented structured logging for upgrade processes, increasing traceability and reducing **resolution time by 50%**.

Goldman Sachs, CWM Hyderabad, India
Summer Analyst (Intern) *Jun 2022 – Jul 2022*

- Developed a real-time analytics dashboard for **15+ microservices**, aggregating **20+ metrics** to enforce code quality, maintain 80%+ test coverage, and **increase application throughput by 30%**.

EDUCATION

Thapar Institute of Engineering and Technology Patiala, India
B.E. in Computer Engineering *CGPA: 9.5/10* *Aug 2019 – Jun 2023*

- **Coursework:** Data Structures and Algorithms, Operating Systems, Database Management Systems, Object-Oriented Programming

St. Francis' College Lucknow, India
High School *Percentage: 94%* *Aug 2017 – Jun 2019*

TECHNICAL SKILLS

- **Languages:** C++, C, Java, Python, Perl, JavaScript, HTML, CSS, MySQL, TypeScript
- **Frameworks & Libraries:** React, Node.js, Express, Bootstrap, MongoDB, Preact
- **Tools & Technologies:** Git, Docker, Kubernetes, Postman, REST APIs, Jupyter, Oracle Linux, FastAPI
- **Core Competencies:** Data Structures, Algorithms, Operating Systems, Machine Learning, Deep Learning, Data Analytics

PROJECTS

- **Automated Parking System**
  - Designed a web-based application for real-time tracking of parking spots, **increasing system accuracy by 40%**.
  - Integrated Arduino sensors to detect vehicle presence, automating space updates and **reducing congestion by 30%**.

- **Hotel Review System**
  - Engineered an NLP-based platform to generate sentiment-driven star ratings (1-5).
  - Constructed an interactive UI to display ratings and feedback summaries, **improving decision-making and user engagement**.

CERTIFICATIONS

- **Oracle Cloud Infrastructure** (OCI) 2023 AI Foundations Associate
- **Oracle Cloud Infrastructure** 2025 Certified Data Science Professional
- **Oracle Cloud Infrastructure** Foundations OCA
- **Google** Sound the Alarm : Detection and Response
- **JPMC & Co.** Virtual Experience Program in Software Engineering
- **Coursera** Packet Switching Networks and Algorithms