






Aryan Sinha

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EXPERIENCE

PhonePe Jan – Present
Software Developer Intern

- Implemented **bulk ingestion pipelines** from third-party services, increasing efficiency by **40%** and reducing latency.
- Developed workflows using **Java**, **Dropwizard**, and **Rosey** in event-driven architecture.
- Created unit and integration tests for components ensuring robustness.
- Designed RESTful APIs; tested with **Postman** and **Swagger**.
- Resolved Maven dependency conflicts; deployed services as Docker containers.
- Worked with production-scale systems using **Olympus**, **MySQL**, **MariaDB**, **Aerospike**, and **HBase**.

EDUCATION

Netaji Subhash University of Technology, New Delhi, India Aug 2021
Bachelor of Technology (B.Tech) in Information Technology GPA: 8.39/10.00

St. Gregorios School, Delhi, India 2020
Senior Secondary, CBSE 95.6%
Secured 3rd position

SKILLS

- **Programming:** Python, SQL, C++, Java
- **Engineering Software:** Prometheus, Grafana, GitLab, IntelliJ, VSCode
- **Technologies:** Kafka, RabbitMQ, Zookeeper, Dropwizard, Google Colab, Docker

CERTIFICATIONS

Data Science Methodology (DS0103EN) 2024
IBM

- Learned data science phases including collection, preparation, and modeling.
- Certificate link

Data Science 101 (DS0101EN) 2024
IBM

- Acquired fundamentals of data visualization, machine learning, and analysis.
- Certificate link

PROJECTS

Inshorts Clone – PhonePe Intern Hackathon (Jan 2025)
Full Stack Development, Hackathon Winning Project

- Built a news aggregation platform inspired by Inshorts; secured **1st place** among intern teams.
- Used **Java** and **Dropwizard** for scalable backend services and REST APIs.
- Integrated third-party news API and used **Cron jobs** for periodic DB updates.
- Processed API responses into summarized, category-tagged articles optimized for card viewing.
- Designed responsive frontend using **React.js**, mimicking mobile-first UX.
- Containerized app with **Docker** and deployed internally for demo.

Soil Moisture Detection Using IoT with Arduino
Internet of Things (IoT), Embedded Systems

- Developed an IoT-based soil moisture monitoring system using Arduino and sensors for real-time data collection.
- Designed and implemented sensor interfacing to accurately measure soil moisture levels and send data wirelessly.
- Created a web dashboard to visualize soil moisture data remotely, enabling efficient irrigation management.
- Enabled automated alerts for low moisture levels to optimize water usage and improve crop health.

ACHIEVEMENTS

PhonePe Intern Hackathon (2025): Built an **Inshorts clone** and secured **1st place** among intern teams.

Olympiad Of Mathematics: Achieved 197 International Rank.

National Aptitude Challenge: Qualified for city finals of Times NIE National Aptitude Challenge 2016-17.