Priyanshu Kumar Ojha
- Software Engineer

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EDUCATION

B.Tech Computer Science and Engineering   2022–2026
Bennett University, Greater Noida   *CGPA: 8.93*

CBSE Class XII   May 2021
Army Public School, Noida   *Score: 92%*

EXPERIENCE

Software Development Engineer Intern   June 2024 – Present
HERE Technologies   *Mumbai, India*

- Collaborated with Map Making Automation Services (MMAS) team to maintain production flows, ensuring data integrity across millions of map features in HERE's global mapping pipeline
- Developed 100+ comprehensive JUnit test cases for core validation library, ensuring correctness across 40+ validation rules for multiple map features and geographic profiles
- Optimized performance of critical validation rules achieving 30-75% improvement in execution time through algorithmic enhancements and efficient data structure implementations
- Led schema migration effort by analyzing 100+ task classes, identifying breaking changes and implementing migration requirements for next-generation data model
- Utilized performance profiling tools to identify and resolve bottlenecks in validation workflows, reducing processing time by up to 74% for high-priority features

KEY SKILLS

Programming Languages: Java (Advanced), Scala, Kotlin, Python (Intermediate), Scala
Cloud Computing: AWS Cloud (Certified Practitioner - **Certificate Link**), Firebase
Databases: MySQL, PostgreSQL, Amazon RDS, DynamoDB
Tools/Frameworks/Libraries: Spring Boot, REST APIs, Git/GitHub/GitLab, JUnit, VisualVM, Jira, IntelliJ, AWT, Swing, MVVM, Amazon S3
Relevant Coursework: Data Structures & Algorithms, Machine Learning, Object Oriented Programming, Operating Systems, Database Management Systems, Software Engineering

PROJECTS

Visitor Management System (Java, MySQL, QR Technology)   GitHub

- Engineered a Java-based visitor tracking application using Swing/AWT that reduced check-in time by 75%
- Integrated ZXing library for QR code generation and scanning, improving visitor processing speed by 3x compared to manual methods
- Designed normalized MySQL database schema achieving 99.9% data integrity
- Skills: Java, Swing/AWT, MySQL, ZXing QR Library, Object-Oriented Programming, Camera Integration

Hate Speech Recognition System (AIML, AWS)   GitHub

- Engineered a BiLSTM neural network model using TensorFlow/Keras achieving 83% accuracy across 6 toxicity categories
- Deployed serverless ML pipeline on AWS (SageMaker, Lambda, API Gateway, S3) handling 1000+ monthly active users with less than 500ms latency
- Optimized cloud infrastructure costs by 40% through serverless architecture while maintaining 99.9% system availability
- Skills: Python, BiLSTM Neural Networks, AWS (SageMaker, Lambda, API Gateway, S3), NLP

Real-Time Chat Application (Kotlin, Firebase, MVVM)   GitHub

- Developed a scalable Android chat application using Kotlin, Jetpack Compose, and MVVM architecture
- Implemented Firebase Authentication and Firestore Database achieving 99.5% uptime and reducing data fetching latency by 35%
- Optimized UI responsiveness by 40% through Kotlin Coroutines for asynchronous operations
- Skills: Kotlin, Jetpack Compose, MVVM Architecture, Firebase (Auth, Firestore), Coroutines