

Atul Kumar Gupta

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Education

Jabalpur Engineering College

Bachelor of Technology in Mechanical Engineering (CGPA: 8.34 / 10.00)

Expected May 2024

Jabalpur, Madhya Pradesh

Jawahar Navodaya Vidyalaya

Higher Secondary School (10+2) (Percentage: 91.8%)

Apr 2019

Jabalpur, Madhya Pradesh

Experience

Sixnine Galaxies Pvt. Ltd.

Jan 2023 – Apr 2023

Jr. Android App Developer Intern

Remote

- Led the development of a pioneering reward-based bill payment platform, leveraging Jetpack Compose, Dagger-Hilt, and Retrofit to deliver an exceptional user experience that resonates with customers.
- Instrumental in seamlessly integrating Firebase Auth & Firestore, resulting in a remarkable 30% boost in app efficiency and performance, ensuring a smoother experience for every user.

The Sparks Foundation

Apr 2022 – May 2022

Android App Developer Intern

Remote

- Crafted an authentication application with a visually captivating UI using XML, resulting in a 25% increase in user engagement. Employed Kotlin for backend logic, reducing error rates by 20% and ensuring seamless functionality.
- Integrated Firebase Authentication to fortify security measures, achieving a 30% reduction in unauthorized access attempts, instilling confidence in users' data security.

Projects

Full Stack Amazon Clone App | React Native, Node.js, MongoDB, Redux Toolkit, Express.js, Expo CLI

- Developed a React Native application using Expo CLI, enabling seamless cross-platform deployment. Implemented MongoDB-backed Node.js backend to ensure scalable data management and enhance system performance.
- Optimized API response times by 40% through the utilization of MongoDB aggregation techniques and integration of Axios, significantly improving user experience and system efficiency.

Chat with Multiple PDF | Python, Langchain, Google Gemini-Pro Model, PyPDF2, FAISS, Streamlit

- Led the development of an end-to-end project with a Streamlit frontend, leveraging LangChain, Google Gemini Pro, PyPDF2, and advanced chunking techniques to seamlessly extract and organize text from PDF files.
- Implemented cutting-edge technologies to enhance text extraction efficiency, resulting in a 25% increase in processing speed and a 20% reduction in error rates, improving overall project performance and user satisfaction.

YouTube Backend API | Node.js, Express.js, MongoDB with Aggregation Pipelines, JWT, Cloudinary, Multer

- Engineered a robust production-grade backend utilizing Node.js, Express.js, and MongoDB, achieving an 85% completion milestone for a YouTube-like platform.
- Implemented essential features including authentication, video uploading, and user interaction functionalities, ensuring a comprehensive and user-friendly experience for platform users.

Technical Skills

Programming Languages: Java, C++, JavaScript, Python, Kotlin, Dart, HTML, CSS

Backend Development: Node.js, Express, JWT, CORS, Mongoose, Morgan, Multer, Nodemon, Aggregation Pipelines

Frameworks / Libraries: ReactJS, React-Native, Next.js, Flutter, Jetpack Compose, Tailwind, VelocityX, Redux, Streamlit, Langchain, Generative AI (OpenAI, Dall-E, Gemini, Llama 2), Android SDK

Databases: MySQL (RDBMS), SQLite3 (RDBMS), MongoDB (NoSQL), Firebase Database (NoSQL)

Development Tools: Visual Studio Code, Git, Postman, Android Studio, MongoDB Compass, Docker

Problem Solving: Data Structures, Algorithms, Machine Learning, Software Logging & Debugging.

Certifications

DSA with Java - Apna College Pvt. Ltd. (Certificate) – Aug 2023

Android App Development - Internshala Trainings Pvt. Ltd. (Certificate) – Jun 2022

Python Programming - ThinkNext Technologies Pvt. Ltd. (Certificate) – Oct 2021