

Akshat Gupta

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EDUCATION

KIET GROUP of Institutions - AKTU

Bachelors in Computer Science with specialization in AI (GPA: 7.8)

Ghaziabad, Uttar Pradesh

Nov. 2022 – Present

Maa Bharti International - CBSE

Intermediate (Class 12th) - 85%

Kota, Rajasthan

May. – Mar 2022

Maa Bharti International - CBSE

Intermediate (Class 10th) - 87%

Kota, Rajasthan

Apr. – Mar 2020

EXPERIENCE

VibeMonitor.ai | Full Stack Developer (FastAPI + Next.js) | Internship

Mar 2024 – Nov

- Developed and optimized observability dashboards using Next.js (frontend) and FastAPI (backend), integrating OpenTelemetry traces and LGTM stack to improve system monitoring efficiency by 45%.
- Engineered secure RESTful APIs and real-time data pipelines, reducing incident resolution time by 30%.

PrepSaarthi | Co-Founder & Technical Lead (Mentor-based Startup)

Nov. 2024 – Present

- Founded and led Prepsaarthi.com, a mentor-driven edtech startup focused on career guidance and student upskilling.
- Developed 5+ impactful features using React.js and MongoDB, and integrated secure RESTful APIs with OAuth 2.0, boosting engagement by 40% and enhancing performance outcomes by 25%.

iTax Easy | Full Stack and Server Developer | Internship

Feb 2025 – Sep

- Architected and deployed high-performance web and mobile applications using PSQL, NextJS, prisma, hPanel, and Android Studio, decreasing load times by 45% and increasing user retention by 30%.
- Redesigned database architecture that accelerated query response times by 60% and reduced server costs by 30%, outperforming solutions from senior team members despite being the most junior contributor.

PROJECTS

Legal E-Library | Angular, Express.js, Prisma ORM, Node.js, PostgreSQL, CSS

Jun 2025 – Present

- Developed a comprehensive digital library platform for legal case laws, featuring advanced search capabilities and filtering that improved research efficiency by 40% for legal professionals.
- Engineered a responsive UI with Angular that provides seamless access to over 10,000 legal documents across 50+ categories, resulting in a 30% increase in user engagement.
- Implemented a RESTful API using Express.js and Prisma ORM that optimized query performance by 60%, enabling real-time filtering and pagination of complex legal data.

Cosmic-Trek (Orrry-App) | ThreeJs, pynb, WebGl, D3Js, HTML, CSS, Javascript, Redux

Oct 2024 – Dec 2024

- Architected an interactive 3D solar system simulator featuring 8+ high-fidelity celestial bodies and 50+ exoplanets, achieving a 60% reduction in rendering time while maintaining complex astronomical accuracy.
- Developed a physics-based satellite launch simulator with 5+ distinct orbital patterns, decreasing computation load by 30% through optimized trajectory algorithms and efficient WebGL implementation.
- Created realistic collision and gravitational simulations with 10+ custom impact effects, resulting in a 75% increase in user session duration and educational engagement as measured by site analytics.

AntiSocial | NextJS, Emailjs, Razorpay, Particlejs, Tailwind, Node.js, Express, MongoDB

Jun 2024 – Aug 2024

- Spearheaded development of a real-time messaging system that processed 1000+ daily communications with an average response time of $\pm 100\text{ms}$, driving a 45% increase in daily active users within the first month.
- Collaborated with a partner to implement CI/CD workflows that reduced deployment time by 60% and decreased code integration issues by 40% through automated testing.
- Integrated comprehensive media-sharing capabilities including photo galleries and ephemeral stories, resulting in 50% higher user engagement metrics and a 35% improvement in user retention compared to baseline.

TECHNICAL SKILLS

Languages: Java, JavaScript, C/C++, Python , HTML/CSS

TechStack: ReactJS, NodeJS, ExpressJS, NextJS, MongoDB, Tailwind CSS, Firebase, EmailJs, AOS, Prisma, Psqql, Vite, Material-UI, Android Studio, Angular, TypeScript, RxJS, HttpClient (Angular), FastAPI

Developer Tools: Git, VS Code, Docker, hpanel, Postman, Prisma Studio, pgAdmin4 , Swagger, Signoz, incident.io