ANKUSH SINGH

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EXPERIENCE

❖ **Software Developer Intern | CHARM AI TECHNOLOGIES | Delhi**   *Apr-2025 to May-2025*
- Built RAG-based AI chat agents and automated document pipelines using JavaScript, OpenAI APIs, Azure Cognitive Services, and Cosmos DB.
- Automated Salesforce workflows via email parsing, Jitterbit APIs, and ZBrain agents, significantly reducing manual effort.
- Enhanced backend systems for a banking client with Python, AWS Lambda, and OpenSearch, including rule-based duplicate detection.

❖ **Frontend-Intern | AERIUS LABS | Gurugram**   *May-2024 to July-2024 | demo | code*
- Developed an interactive 3D web application using Next.js and Three.js, enhancing user engagement through modern web technologies.
- Animated 3D models and interfaces using react-three-fiber, Lenis, and GSAP, gaining experience with advanced animation techniques and improving UI fluidity.
- Integrated Payload CMS for efficient blog data management and optimized the application for deployment with scalability and uptime in mind.

SKILLS

❖ **Frontend:** HTML, CSS, React JS, Redux, Next JS, Tailwind CSS, and Three.js.
❖ **Backend:** Node JS, Express JS, Nest JS, REST API, Prisma ORM, Authentication (JWT, OAuth) and Redis.
❖ **DevOps & Cloud:** AWS Elastic Beanstalk, AWS EC2, AWS RDS, Docker and CI/CD.
❖ **Programming:** C++, Java, JavaScript, TypeScript, and Data Structures & Algorithms.
❖ **Databases:** PostgreSQL, MongoDB, Firebase, and AWS RDS.
❖ **Tools:** Git, Postman, IntelliJ IDE, VS Code IDE.
❖ **Soft Skills:** Leadership, Communication, Teamwork, Problem-solving, Critical-thinking, Creativity.

EDUCATION

❖ **BTech (CSE) |** Maharaja Agrasen Institute of Technology, Delhi   *8.8CGPA | 2021-2025*
❖ **XII (PCM) |** Aligarh Muslim University, Aligarh   *86.80% | 2020*

PROJECTS

❖ **PG Management System**   *Mar-2025 to Present | link | code*
- Developed a modular and scalable PG management app using NestJS, Next.js, and Tailwind CSS with RBAC and ABAC for secure, role-specific access by owners, moderators, and tenants.
- Delivered production-ready code following industry best practices, with a responsive UI, secure APIs, resource tracking, and a clean dashboard for efficient property oversight.

❖ **Healthcare Management API System**   *Feb-2025 to March-2025 | demo | code*
- Developed a secure NestJS API with JWT auth, RBAC/ABAC, API versioning, and PostgreSQL (Prisma ORM) with logging/auditing DBs and cron-job automation.
- Created Swagger docs, optimized core modules, and deployed on AWS (Elastic Beanstalk, EC2, RDS) using CI/CD with GitHub and Postman.

ACHIEVEMENTS & CERTIFICATION

❖ Ranked among the top 30 in the competitive HACKWITHMAIT hackathon, demonstrating strong technical and problem-solving skills.
❖ The Complete 2023 Web Development Bootcamp Course   *Udemy | link*
❖ Mastering Java Programming Fundamentals Course   *Geekster | link*