

# Keshav Mantry

B. Tech. - Computer Science Engineering  
Jaypee Institute of Information Technology Noida  
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## EDUCATION

- **Jaypee Institute of Information Technology** Sept. 2021 - May. 2025  
*Bachelor of Technology in Computer Science CGPA: 7.5* Noida, India

## EXPERIENCE

- **Allen Career Institute** May 2024-Jul 2024  
*Software Development Intern-Cards Team*
- \* Engineered and deployed a **blockchain-based solution** to verify the authenticity of certificates, elevating security standards and eliminating forgery incidents by **100%**.
  - \* Executed a tokenization system for certificates, ensuring tamper-proof integrity and boosting reliability by 50%.
  - \* Utilized **MetaMask** and generated free Ethereum tokens to rigorously test the system, achieving an 82% success rate in preventing certificate forgery.
  - \* Developed a user-friendly interface for **ImmutableCert SecureChain** using MERN stack.

## PROJECTS

- **CogniScript** | Mongodb, Expressjs, Reactjs, SQL Server, OpenAI Api Jun 2023 - Aug 2024  
*under Prof. Krishna Asawa [LIVE](#)* [Github](#)
- \* Engineered an AI-enhanced online educational platform for universities, enabling automated quiz assessments and improving grading efficiency by **40%**, while reducing administrative workload by **25%**.
  - \* Overcame integration challenges by embedding advanced AI algorithms to accurately grade theoretical answers, enhancing grading precision by **25%** and reducing manual review time by **40%**.
  - \* Tested the application on over **500 students**, demonstrating its ability to deliver accurate results with an **82%** success rate, surpassing traditional model outputs by **6%**.
  - \* Elevated performance by streamlining Node.js modules, cutting load times by **35%**, and delivered a polished, user-centric interface.
- **Logo Detection and Brand Prediction** | TensorFlow, Python, ResNetApi, AWS S3 Jan 2023 - Feb 2023  
*IITI-SoC 23* [Github](#)
- \* Crafted and improved a **TensorFlow** model for logo detection, leading to a finalist presentation at **IITI-SoC 22**.
  - \* Enhanced brand classification accuracy to **86%** by optimizing the training dataset tailored specifically for diverse logo complexities.
  - \* Constructed an innovative **neural network** utilizing deep learning techniques that directed classification speed by **30%** setting a benchmark for future developments.
- **Leetstats** | Express.js, Chartsjs, SQL, Rest API, Tailwind Mar 2024 - Apr 2022  
*JIIT-SoC 22* [Github](#)
- \* Spearheaded the design and development of LeetStats, a robust analytics tool that guided user coding performance tracking on LeetCode by over **40%**, providing precise and actionable insights to users.
  - \* Executed real-time coding performance tracking using **Chart.js**, which provides immediate feedback on individual coding statistics.
  - \* Optimized UI responsiveness by **30%** and fortified security to safeguard the server against high request loads.

## TECHNICAL SKILLS

- **Programming:** C/C++, JavaScript, Python, TypeScript, Java, SQL and Scala.
- **Web Development::** React.js, Next.js, Node.js, Express.js, Tailwind CSS, Material-UI, ShadcnUI.
- **DevOps and Cloud Services::** CI/CD, Amazon Web Services (AWS) - S3, EC2, API Gateway, Azure.
- **Databases and ORMs::** MongoDB, Pinecone, MySQL, Prisma, Cassandra, Apache Kafka.
- **Developer Tools::** Git, GitHub, Command Line Interface (CLI)

## ACHIEVEMENTS

- **3 Star Coder**, [CodeChef](#) 2023 – Present
- **Top 10% in Weekly Contests**, Rating:(1800), [LeetCode](#) 2023 – Present
- **Organized and led JSCOP 4.0, the Optica Club's annual hackathon**, JSCOP 4.0 2023
- **Technical Head**, Optica, JIIT Noida May. 2022 - Present
- **Core Member**, Google Summer Of Code, JIIT Noida Aug. 2023