



Jitin Krishna Chekka

Roll No: CS20B1075

B.Tech (Honors) - Computer Science and Engineering

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GitHub

EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech.(Honours)	Indian Institute of Information Technology (IIIT) Kancheepuram	9.17	2020-Present
Intermediate	TSBIE	97%	2020
School	Silver Oaks International School, Hyderabad (CBSE)	95%	2018

EXPERIENCE

- Quantrium** May 2023 - Present
Software Engineer Intern
 - Fully responsible for end-to-end development of an innovative project to enhance OCR efficiency and accuracy, resulting in significant improvements in data extraction and processing capabilities.
 - Worked with Techstack including Python, FastAPI, MongoDB, Docker with high software development standards.
- Indian Institute of Technology, Kanpur (IIT)** May 2023 - July 2023
Research Intern IIT Kanpur
 - Under the supervision of Prof.Ashutosh Modi, I worked as a research fellow under the SURGE Program at IIT Kanpur on Natural Language Processing and Deep Learning with a focus on coreference resolution for Indian legal documents.
 - Devised and implemented a cutting-edge coreference resolution algorithm tailored to Indian legal documents, outperforming existing methods on a benchmark dataset.
- Samsung R&D Institute India** Feb. 2023 - Present
Intern
 - Conducted extensive literature review, evaluated and implemented State-of-the-art Interactive Segmentation Models like RITM, ClickSEG, SAM
 - Working on Implementing Interactive Image Segmentation under the Samsung PRISM Program
- RFM360** June 2022 - Aug. 2022
JavaScript Developer Intern
 - Developed and overhauled 12-15 web pages using JavaScript, HTML and CSS within 45 days.
 - Contributed 2000+ lines of code to the repository
 - Collaborated with other developers using Git and GitHub

PROJECTS

- Placement Cell Website** Node.js, Express.js, JavaScript, Bootstrap, HTML, CSS
Placement Cell, IIIT Kancheepuram Website
 - Primarily responsible for planning, scheduling and end to end development of the new responsive website.
 - Spearheaded a team of 10 developers by evaluating their progress and mentoring.
 - Worked for 75+ hours with different stakeholders and contributed 800+ lines of code.
- AI Content Creator** React.js, Node.js, GPT-3, MongoDB, AWS, OAuth
Freelance
 - Conceptualized and developed an innovative social media content creation service using AI for small businesses and entrepreneurs, resulting in a 200% increase in user engagement.
 - Integrated the powerful GPT-3 API to generate unique and high-quality content tailored to the user's specifications, resulting in a 90% satisfaction rate among users.
 - Designed a user-friendly and mobile-responsive website including features such as subscription management, content management, analytics and reporting, and authentication.
- Private GPT** Python, Vicuna, GPT-3 API, Streamlit, SQLite, FastAPI
Gen AI Rush Hackathon GitHub
 - Private GPT is a privacy-focused web application that enables users to interact with AI models, such as ChatGPT, while ensuring the protection of their personal and sensitive information.
 - Won the finalist prize at TPF GenAI Rush Buildathon.

ACHIEVEMENTS

- Selected for **Honors degree** program as a result of outstanding academic performance.
- **Winner** at Warpspeed Generative AI Hackathon for the best project in Replit Track.
- **Honorary Finalist** in TPF GenAI Rush Buildathon
- **1st Place** in Bug Hunt at Vashisht
- **1st place** in IIITDM Hacks Machine Learning hackathon.
- Won 2nd Place in IIITDM Hacks hackathon conducted by GDSC and CS club.
- Achieved 3rd Place as the **best Web 2.0 Project** in Vashist hackathon held on devfolio.
- Secured in 9th Position in highly competitive and challenging Coding Ninjas Programming Contest
- Completed Hacktoberfest 2021 challenge, world's biggest month long **Open source challenge**.
- Qualified in Ehipassiko industry open house innovation challenge among 200 teams.
- Scored 98.5 Percentile in JEE Mains.

TECHNICAL SKILLS

- **Languages:** Python, C, C++, JavaScript, HTML, CSS
- **Machine Learning:** TensorFlow, OpenCV, Hugging Face, Pandas, Numpy, Scikit-learn, Matplotlib, Seaborn
- **Web Frameworks:** FastAPI, Node.js, Express.js, Flask, Bootstrap
- **Database:** MongoDB, MySQL
- **Developer Tools:** Git, GitHub, Bitbucket, Confluence, Docker
- **Cloud Computing:** Google Cloud

POSITIONS OF RESPONSIBILITY

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|---|------------------------------|
| • Coordinator , Placement Cell | <i>Aug. 2022 - Present</i> |
| • Lead Developer , Placement Cell, IIIT Kancheepuram | <i>May. 2022 - Aug. 2022</i> |
| • Joint Core , CS Club, IIIT Kancheepuram | <i>Sep. 2021 - May. 2022</i> |
| • Coordinator , Vidhai | <i>Dec. 2020 - Jan. 2022</i> |

KEY COURSES TAKEN

- **Machine Learning:** Artificial Intelligence, Data Science, Pattern Recognition, Digital Image Processing
 - **Computer Science:** Data Structures and Algorithms, Object Oriented Programming, Design and Analysis of Algorithms, Database Management System, Operating Systems, Computer Networks
 - **Mathematics:** Linear Algebra, Calculus, Discrete Maths, Probability & Differential Equations
 - **Certifications:** Supervised Machine Learning: Regression and Classification (Coursera), Python basics for Data Science (EdX)
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