Pradumn Garg

Department Of Computer Science Engineering

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ACADEMIC QUALIFICATIONS

Year	Degree/Certificate	Institute	CPI/%
2023	B.Tech	Manipal University Jaipur	9.49/10
2019	CBSE(XII)	Mother's Public School, Bhubaneswar	93.2%
2017	ICSE(X)	St. Joseph's High School, Bhubaneswar	94.5%

TECHNICAL SKILLS

- **Programming Languages:** C, C++, Java, LaTeX, Javascript, Pyhton, Dart, PHP, HTML, CSS
- **Frameworks & Technologies:** NodeJS, ReactJS, ExpressJS, AngularJS, Flutter, SpringBoot, GraphQL, Bootstrap, AWS
- **Databases:** MySQL,MongoDB

WORK EXPERIENCE

- **System Development Engineering Intern,Amazon(Hyderabad)** (*Jan'23-Jun'23*)
  - Developed a robust tool, encompassing over **30,000+** lines of code, with the aim of widespread adoption across the company.
  - Leveraged in-depth understanding of diverse ordering services such as **UberCart-V2, PAPA, CASE, etc.** to successfully address over **30+ tickets** during **Oncall** duties.
- **Software Engineering Intern, Mulltiply INC. USA(Remote)** (*Mar'22- July'22*)
  - Went from no **Angular** Experience to making contributions in the team in no time
  - Designed global search APIs, Image converter module, Excel mapping module ,Notification module etc. by using frameworks such as **NodeJs, GraphQL ,ExpressJS** etc.

KEY PROJECTS

- **Infrastructure Audit Tool(IAT)** (*Jan'23- Jun'23*)
  Project Guide: Krishna Singh, System Development Engineer II , Amazon
  - A Full stack web application engineered using **Python, CDK,AWS,ReactTS and Katal** enabling Amazonians to efficiently perform infrastructure audits across **100+** services, reducing manual engineering effort by over **10 days**.
  - Testing and documentation of each module thoroughly done achieving a code coverage of **100%**
- **Non Fungible Token(NFT) Marketplace** (*Feb'22- Ongoing*)
  Supervisor: HOD. Neha Choudhary, Department of Computer Science Engineering, MUJ
  - A web3 app built using **Solidity, NextJS and ReactJS** to allow users to buy,sell and mint NFTs
  - Software Engineering principles from preparation of **SRS,COCOMO** and other documents to testing carried out
    https://github.com/PradumnGarg/nft-marketplaceupdated
- **Chat Bot Assist** (*Sept'21-Oct'21*)
  - **Rest APIs** crafted using **SpringBoot** using **SQL** drivers which aids the chatbot and the admin panel alongside
  - The entire database was created and the application was deployed using **Heroku**
    https://github.com/manavendrasen/Virtual-Assistant-Team-2-Dell-H2H-Backend

PUBLICATIONS

* **From Pre-Quantum to Post-Quantum RSA(Quantum Cryptography):** Approved for publication, has been submitted to **Springer Journals**, expected to be published in late 2023. Tech:Python,Cloud Computing, Quantum & Classical Algorithms

POSITIONS OF RESPONSIBILITY

- **Computer Science Expert,Chegg India(Remote)** (*April'21-July'23*)
  - Presented ideas in an articulate manner to solve queries of about **500+** students from across the globe
  - Honed my skills in various fundamentals related to **DSA, RDBMS, OOPS, Compiler design,CN,SE,OS etc.**
- **C++ Mentor, IEEE SB MUJ** (*June'21-May'22*)
  - Guided and mentored **50+** students in acclimatizing to various **CPP** fundamentals
  - Increased cognitive abilities of students by challenging them with **Competitive Programming** and implementing a creative coursework into the curriculum

ACHIEVEMENTS

- Our Solution to an automated ChatBot seconded by a data visualizer which reduces customer support cost won us the **Dell 2021 HacktoHire Hackathon** among **45+** other participants
- Our startup-ALMIGHT secured Runner Up position at **KardiaChain Pioneer program 2.0 International Hackathon** winning s cash price of **10,000$**
- Solved over **400+** problems at Chegg with an overall CF score greater than 85% and about **400+** problems on **Hackerrank and Leetcode** combined
- **11** Skill Badges acquired at **Google Cloud Computing Courses** available at https://www.cloudskillsboost.google