

Akash Ranjan

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EXPERIENCE

General Electric HealthCare

July 2023-Present

Software Engineering Specialist

Banglore, India

- Promoted from Software Development Intern (September-2023 -July 2023) to SE Specialist.
- Building the next generation ECG Recording machine. Implementing a technological breakthrough in User Experience and Design for healthcare devices using cutting edge tech.

IIIT Hyderabad

July 2022 - July 2023

Young Research Fellow

Hyderabad, India

- Developed a monitoring dashboard in Protein Structure Visualization to reduce latency from 45 seconds to 80 milliseconds
- Created a protein database bank of 20k protein structures and performed docking and modelling of the structure

Highradius Technologies

Jan-May 2022

Software Engineering Intern

Bhubneshwar, India

- Worked on a Bill Management AI enabled App with Prediction of Due Payment date
- Improved Machine Learning algorithm by 80 percent compared to the original algorithm used by Highradius.
- Contributed 50K+ lines of code to an established codebase via Git
- Developed and Designed Backend with Java JDBC, SQL and Frontend with ReactJs, ExpressJs

PROJECTS

Founder | *Codesc.io - codesc.herokuapp.com - A collaborative Code Editor*

June 2022

- Grew site to 500+ Monthly Active Users, and received 20,000 page views
- Developed using NodeJs, MongoDB, ExpressJs, Bootstrap, Html, Css, socket.io, webRtc and deployed to Heroku
- Web application to conduct Coding Interview - Have functionality of creating custom task with links and collab with others to code together. Functionality of Video call and Chat with code editor and Automatic saving of task in database.
- Popular Companies using Platform for Conducting Tech Interview -EY global, Novartis, Coditas etc

Protein Structure Visualizer | *iiithpdb.netlify.app*

July 2022

- Developed Molstar Visualizer for Protein Data Bank file.
- Created a website which takes .pdb files or Protein structure files and show the structure.
- Used React to Wrap Molstar for better visualization with present Ligand and ion with animation features.
- Tech Stack:- Html, css, React, Python, Javascript, TypeScript

EDUCATION

KIIT UNIVERSITY

Bhubneshwar, India

- Bachelor's of Technology in Computer Science and Engineering, Honours : 9.01 CGPA
- President of INDIA Scholarship (Top 10 of Engineering Class)

Sunshine Prep High School

Bihar, India

- Secondary (10th): 92 percent and Senior Secondary (12th): 72 percent Aug. 2014 - May 2018

TECHNOLOGIES

Languages: Java, Python, C / C++, SQL, Java, MySQL, JavaScript, ExpressJs, NodeJs, ReactJs, TypeScript, Shell Scripting, Qt, Qml

Other: Google Cloud Platform, Heroku, Html, Css, Material Ui, ExpressJs, MongoDB, Data Structures and Algorithms, linux, Git/Github, Artificial intelligence (AI) and Machine Learning, System Design, Object-oriented design, Natural language processing, Computer Networks, Relational database,

CERTIFICATIONS AND ACHIEVEMENTS

- Palo Alto Network, Accenture Cyber, Cloud Security Training along with Cisco Packet Tracer and Networking
- HackerRank | Problem Solving | CloudXLab – Data Science and MIOps | Github – OpenSource lab
- Scholarship By President of India, JEE Advance Rank holder (2877) cat, State Rank 3rd in INDIAN ARMY
- NCC B and C Certificate exam with alfa grade (Top 2 percent in State)
- Qualified : GAIT (global assessment of information technology) 753/990