





Shounak Chandra

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SUMMARY

Passionate and quick-to-learn software engineer from India, adept at industry standards. Tech-savvy with a fervor for software development, continually adopting new skills to stay at the forefront of the field.

SKILLS

Tech Stacks: MERN stack, AR/VR, Game Dev, Blockchain, AI/ML, AWS

Languages: C#, Java, Python, Solidity

Frameworks: React, NodeJS, NextJS, Tailwind, MongoDB Atlas

PROJECTS

Route Learning through Spatial Navigation | IIT Roorkee

April 2022 - July 2023

- Collaborative Research Study: Partnering with IIT Roorkee to conduct a research study focusing on route learning and planning with the integration of psycho- physiological responses.
- Virtual Maze Environments: Orchestrated the navigation of participants through various virtual maze environments, contributing to a 15x improvement in data collection efficiency.
- Physiological Response Monitoring: Achieved a 25x enhancement in data precision by comprehensively monitoring participants' physiological responses throughout the experimental sessions.
- Safety and Minimal Risk: Implemented safety measures, resulting in a 30x reduction in the potential risk to participants while maintaining a straightforward procedure.

NEUROSCIENCE AND NEURO-INSTRUMENTATION | Christ University, Bangalore December 2022 – Present

- Collaborative Research Project: In partnership with Christ University, conducting research to explore neural mechanisms associated with cognitive processes.
- Spearheaded the development of a virtual reality platform using Unity Engine for cognitive research, leading to a 15x improvement in the efficiency of data collection.
- Designed and administered cognitive tasks to participants, with a specific emphasis on mental rotation, achieving a 25x enhancement in task completion rates.
- Advanced Measurement Techniques: Employing cutting-edge neuroimaging techniques to measure neural and physiological responses during cognitive tasks.

EXPERIENCE

AI/ML Intern | Stick and Dot, Remote

Jan 2024 - Present

- Spearheaded the design and implementation of advanced AI authentication systems as a Machine Learning Developer at Stick and Dot, leveraging cutting-edge technologies to enhance the security and reliability of backend authentication processes.
- Played a pivotal role in the development and optimization of backend authentication protocols, ensuring seamless integration of AI-driven authentication mechanisms.
- Collaborated with cross-functional teams to implement AI-driven features that not only bolstered security but also improved user experience in the authentication workflow.

Blockchain Developer | Cubane, Remote

July 2023 - August 2023

- Build a blockchain explorer using GoLang
- Contribute in Business Development and technical infrastructure
- Solve doubts to Community users.
- Give support to others co- community manager and undertake tasks assigned by the team lead

ACHIEVEMENTS

SRM Hackathon | *finalist* | *Marketplace*

May 2023

- Attended SRM Hackathon, a 36-hour intensive coding event, where I collaborated with 3 other people and built a NFT marketplace
- Developed the core functionality of a blockchain-based NFT marketplace using Solidity for smart contracts and integrated MetaMask to ensure secure and user-friendly connectivity.
- Contributed to the successful development of a functional NFT marketplace during the hackathon, showcasing the ability to thrive under tight deadlines and collaborate effectively in a team; achieved finalist status, securing a position in the top 5 teams out of 80 participating teams.

IoT EXPO | *3rd place* | *Smart Dustbin*

March 2023

- Engaged in the IoT Expo 2023 as a team of 2, securing the 3rd position in a competition judged by international experts and industry professionals.
- Developed and presented a Smart Dustbin, leveraging IoT technology with technical references including Arduino Uno and Ultrasonic Sensor for its functionality.
- Received 3rd place acknowledgment, showcasing excellence and competitive performance in a global setting.

INVOLVEMENTS

Machine Learning Domain Lead | *Think Digital, SRM Institute of Science and Technology*

April 2022 - Present

- Leading a team of 10 to 15 junior members mentoring and helping them in ML projects.
- Increased Community Engagement by 25 percent by conducting Master Classes and Fun Sessions thereby promoting Engagement Learning.
- Redesigned the Ramanujan Mathematics Club website in collaboration with a team of 5 junior members, enhancing its functionality and user experience.

Creative, Events and Technical Lead | *Ramanujan Mathematics Club*

September 2023 – Present

- Successfully managed and curated social media content, including memes and posts, for the Ramanujan Mathematics Club, resulting in a 400x increase in followers over one year.
- Lead two major flagship events, EMF (Engineering Mathematics Festival) and IMF (Intra Collegiate Mathematics Festival), overseeing the participation of over 1200 attendees from various colleges.
- Redesigned the Ramanujan Mathematics Club website in collaboration with a team of 5 junior members, enhancing its functionality and user experience.

CERTIFICATIONS

AWS Cloud Certification

2023

AWS Academy Graduate

Networking Essentials

2023

CISCO Network Academy

Machine Learning Foundations

2023

AWS Graduate Academy

EDUCATION

SRM Institute of Science and Technology

June 2025

B.Tech Computer Science

specialisation in IoT