



EDUCATION

Year	Degree/Exam	Institute	CGPA/Marks
2024	M.TECH Dual Degree 5Y	IIT Kharagpur	7.91 / 10
2019	Intermediate Public Examination, TSBIE	Narayana Junior College, Hyderabad	95.6%
2017	Secondary School Certificate, TSBSE	Narayana Concept School, Hyderabad	9.7 / 10

INTERNSHIPS

Software Engineer Intern | Knorex India Private Limited

[May '22 - Aug '22]

- Drafted a report on **Apigee API Management** to assist developers in packaging, publishing and monetising the company's Application Programming Interfaces (APIs) with an additional layer of **security, rate-limiting, quotas, spike arrest and analytics** through an API proxy
- Fixed the stale pull requests and worked on the enhancements of the quotation management project built using Express and MongoDB
- Reported bugs, configured logging, developed a product service and implemented a global exception handler in a **Spring Boot Project**
- Dockerized, extended the services and improved the user interface of a gallery project running on **AngularJS, Express and MongoDB**

Full-Stack Software Development Intern | Prof. Chintan Vaishnav | Qen Labs Incorporation

[Aug '21 - Oct '21]

- Developed the technical stack for "Soil Testing and Nutrient Management" as part of the project MITTI, driven by Prof. Chintan Vaishnav, which includes the development of a Fertilizer Recommendation System and a Mobile Application for data collection and mapping of farms
- MITTI is a project started at MIT's Tata Center (an Energy Initiative) and is now being translated into a product by Qen Labs Incorporation
- Coordinated with the design team and translated the design prototype from **Figma** into a clean and commented **React-Native** code

Backend Development Intern | Prof. Adway Mitra | Centre of Excellence in Artificial Intelligence

[Aug '21 - Oct '21]

- Built an **API Layer** as an interface between the Reactjs frontend and the python simulator, simultaneously interacting with **MongoDB**
- **Integrated** the API with the application and **performed tests (I&T)** in coordination with the frontend and the model-development teams
- Deployed and managed the full stack of the project on an **Amazon Web Services (AWS) EC2 instance** using the **Apache Web Server**
- Sponsored by the *Department of Science and Technology - Government of India* to study the spread of Covid-19 on university campuses

Web Development Intern | Quantifiers

[Feb '21 - Jun '21]

- Built a dynamic website with a revamp of user interface and incorporation of value-added features yielding a **60% increase in user traffic**
- Designed and developed a **quiz platform** of multiple-choice questions with the features like **navigation, instant result and solutions**
- Facilitated the blog posting of the company by the end-to-end development of a **blog platform** on its website to keep users engaged

POSITIONS OF RESPONSIBILITY

Technology Coordinator | Technology Students' Gymkhana | IIT Kharagpur

[Aug '21 - Apr '22]

- Nominated from among **15039 students** and responsible for all the technological advancements on the campus of IIT Kharagpur
- Built a **Digital Inventory System** to manage and record the transactions of the sports inventory of around **6 stores** worth **10 crores INR**
- Developed a dashboard to keep track of **2042 students on campus** and **3484 invitees** during the reopening of IIT Kharagpur after covid
- Devised a live scoreboard for **8 sports** in Inter Hall '22, resulting **196.3% hike in the user traffic** with **8m 12s average engagement time**
- **Deployed** the applications on **Amazon Web Services EC2** and **maintained a physical server** of Technology Students' Gymkhana

PRAYAS Team | Gopali Youth Welfare Society | Salua, West Midnapore

[Sep '20 - May '22]

- Gopali Youth Welfare Society is *India's largest student-run and Indian-Government Registered Non-Governmental Organisation (NGO)*
- Joined as a **Business Development Intern**, got the offer of **Senior Executive Member** and later promoted to **PRAYAS Coordinator**
- Co-founded the Sponsorship Project under the PRAYAS Team with a vision to **aid social initiatives** in their projects by fundraising
- Tied up with **4 rural businesses**, **3 social enterprises**, a govt. project and set up **6 in-house projects** generating **revenue of 5 lakh INR**
- Led a team of **24 student members**, **8 employees**, **10 interns** and **16 part-time hires**; Held a smooth transition of online-offline activities

Web Team Member | International Relations Cell | IIT Kharagpur

[Sep '20 - May '21]

- Developed the Foreign Training Portal v4.0 hosting **103 offers** in **50 projects** from universities like Stanford, Carnegie Mellon, Brown, Yale
- **Led** a team of **7 Junior Associates** of the web team and **mentored** them in learning Bootstrap Layouts, JavaScript, Python and Django
- Organised the OnCampus Round of Hult Prize 2020 at IIT Kharagpur with a participation of **40 teams** which is a **33% YoY increase**
- Worked hand-in-hand with the Office of International Relations to organise the events and programs of the International Relations Cell

SKILLS AND EXPERTISE

Languages: JavaScript | Python | Java | C | C++

Developer Tools: Linux | Git | GitHub | Docker | SQLite | PostgreSQL | MongoDB

Frameworks and Libraries: React.js | React-Native | Electron | Gatsby | Next.js | Express.js | Django | SpringBoot | Bootstrap

COURSEWORK INFORMATION

Object-Oriented Systems Design | Programming and Data Structures* | Theory of Compiler Design | Systems Programming | Image Processing | Machine Learning Foundations and Applications | Artificial Intelligence for Manufacturing

[* - includes laboratory]

EXTRA CURRICULAR ACTIVITIES

- Mentored 4 first-year students and helped 2 eligible students achieve the merit-cum-means scholarship worth **2.1 lakh INR per annum**
- Represented Lala Lajpat Rai Hall of Residence, being a **Volleyball Team Member**, in the Inter Hall Gymkhana Championship 2022

Open Source Contribution

- Contributed to the development of a book-donation flutter app in GirlScript Summer of Code 2021 steered by the GirlScript Foundation
- Student Developer in Kharagpur Winter of Code 2020; Successfully completed Digital Ocean's Hacktoberfest 2020 & Hacktoberfest 2021
- Developed and **open-sourced** a web-based project, with **13 stars** and **9 forks** on GitHub, to simplify the cv-making process for students

Volunteer | National Service Scheme

[Jul '19 - Apr '21]

- Recognised as the **best volunteer** of the **gold-winning team** in the Annual Camp 2019; Participated in the **winter cloth-collection** drive
- Distributed stationery, conducted drawing competition and science experiments in a government school of Talbagicha, West Midnapore