RAMVEER

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Education

Year	Degree/Certificate	Institute	CPI/%
2018 - Present	B.tech Double major in Mechanical Engineering and Biological Science and Bioengineering	Indian Institute of Technology, Kanpur	7.5/10
2017	Class 12 (CBSE)	Shri Vinayak Academy Int. School	86.4%
2015	Class10 (CBSE)	Shri Vinayak Academy Int. School	10/10

Experience

Google Summer of Code 2022 | Student Contributor — The Mifos Initiative ⚙   **May 2022 – Sep 2022**
- Project aims to provide open source platform to deliver responsible financial services to the world's 2 billion poor and unbanked
- Developed Mifos Web-App microfinance platform in **Angular 12**, **Typescript**, Angular-Material, Restful APIs and **OpenAPI**
- Initiated and implemented the automated E2E testing by **Cypress** across app. Wrote unit testing by **Jasmine** and **Karma**
- Implemented internationalization by **i18n** for global use and configuration tour using **cdkPortalOutlet** for new users

Truminds Software Systems | Software Development Intern | *Received PPO*   **May 2022 – Jul 2022**
- Designed and developed Intranet mobile application for in-house application using **custom web-view** in Java and Android
- Implemented various functionalities such as downloading using **permission system** and enabled redirection to apps with links
- Designed and Developed **Android SpeedTest App** to measure connection speed, which selects best server nearby based on ping
- Used **multithreading in java** to use network at max and optimize speed results and display intermediate steps in custom console

MFL EduClub | Software Development Intern   **Sep 2021 – Aug 2022**
- Developed a web-app using reusable class based components in **ReactJS** with a nice responsive UI using bootstrap
- Implemented **Redux** store and **service worker** to minimize the API calls and increase the app's performance
- Implemented Backend in **ASP.net** framework and **MySQL** as database. Implemented **service bus in azure** for asynchronously sending emails and push notifications for events etc. Implemented push notifications using **Firebase cloud messaging**

Projects

Campus Ambassador portal | *Self Project* | Node, MongoDB, Firebase | ⚙   **Nov 2020**
- Designed and developed a portal using **NodeJS** for backend and **MongoDB**. Implemented Sharing API for various platforms
- CAs can share posts and upload proofs to earn points. Admin can create a new post and approve the proofs uploaded by CAs
- Implemented a leaderboard of points for CAs to reward top CAs.Implemented Facebook login by **Firestore and FB API**
- Currently deployed on *https://ca.techkriti.org*

Placement Portal | *Self Project* | MEAN Stack | ⚙   **Mar 2020**
- An Online placement and Internship Automation Web Portal through which students can apply to a company, view status etc.
- Developed a full stack application using **NodeJS** backend and **Angular** frontend and **MongoDB** for storing records

Chatter | *Self Project* | Django, WebSocket | ⚙   **Dec 2019**
- Developed a full stack application using **Django** and used **websocket** for realtime communication, SQL for database
- Implemented nice user interface for rooms using bootstrap. Users can use room ids to join and chat in realtime with others

Skills & Courses

Languages: C, C++(STL),Javascript, Typescript, Java, Python, SQL   **Developer Tools:** VS Code, Android Studio, Git
Technologies/Frameworks: Angular, React, Node, MongoDB, Cypress, RESTful APIs, Android, Azure, Django,
Key Courses: Introduction to Computing, Data Structures & Algorithms, Computational Methods, Probability and Statistics

Positions of Responsibility

Head, Web and App | *Techkriti'21, IIT kanpur*   **Dec 2020 - Mar 2021**
- Spearheaded a 3-tier team of 40+ students to successfully build a chain of 7 websites for Asia's biggest technical festival
- Used various technologies like **PHP, Angular, Node MongoDB, Firebase, RESTful APIs** for creation of different websites
- Added Facebook and Google Authentication system using firebase for registrations on main website. Implemented SEO for reach
- Deployed it on IITK server using NGINX and cloudflare at *https://2021.techkriti.org*

Senior Web Executive | *Techkriti'20, IIT Kanpur*   **Dec 2019 - Mar 2020**
- Involved in making and maintaining the Techkriti website. Developed and designed various pages in **Angular 7**, Typescript
- Coordinated with Heads and UX team to implement various features in a timely manner maintaining quality of code

Company Coordinator | *Student Placement Office, IIT Kanpur*   **Apr 2019 - Apr 2020**
- Successfully organised internship and placement drive of 2019-20, by coordinating with the companies and their HR teams
- Acted as first point of contact for students with the companies during the Internship and Placement Season 2019-20

Extra- curriculars

- Participated in Galaxy'19 in HSS team and led the team in 2020 holding 1st Position in inter-hall Competitions for both years
- Completed one year training in 2018-19 at National Cadet Corps at IIT Kanpur
- Attended Aeromodelling workshop in 1st year and designed a working aeroplane model with servo, motors, polystyrene sheets