

Industrial Experiences

Full Stack Developer - [ExamPlus](#)

(Jul 2020 - Dec 2020)

- One of three core Engineers to Design and Develop an end-to-end platform for conducting online competitive exams [Jee Main, Jee Advanced, Neet, etc.] with complete analytics.
- Worked on Modern technologies including Server-less, AWS Amplify, Cloud functions, Angular JS, etc.
- ExamPlus started hitting a revenue target of 10,00,000 INR per month within 3 month of building the platform. Contact me@satya.solutions (CTO of ExamPlus) to learn more about me and my contribution.

Software Engineer Intern - [Soong.dev](#)

(Apr 2020 - Jun 2020)

- In a 10 Week internship, I worked on AI engine, Chatbots, Web development and Production(DevOps).
- Used DialogFlow, Vue.JS, Django, MySQL, etc. Contact rathi@soong.dev (Founder of Soong.dev)

Research Intern - [IISER Bhopal](#)

(May 2019 - Jul 2019)

- Under the guidance of [Dr. Ir. Arpit Sharma](#), A summer research internship at IISER Bhopal.
- Used NLP libraries for analysing data from text documents(.txt, .pdf, .rtf) and analysing particular sentences which keywords are present in Database. MySQL for Database and NodeJS for Backend.

Software Developer Freelancer - [Details](#)

(Oct 2017 - Present)

- Developed projects for several startups, including Web and Mobile Applications, Chatbots, Specific Software's, Machine Learning Solution, Video Tutorials, etc.

Projects

Google Forms Clone - React JS, Node JS, MongoDB

(Jun 2020 - Jul 2020)

- Developed a similar product like Google form using MERN Stack.
- Used NodeJS with MongoDB for REST API (backend) and React JS & Material UI for Frontend.

Online Communities - React JS, Node JS, MongoDB

(Apr 2020 - Jun 2020)

- A product where a user can search/create/join a public/private community based on any topic/course/thing and post/chat about it and other users and comment/share it.
- Led the team of 3 Developers and Designers.

Cycool - The Cycle Sharing App - NodeJS, MySQL, jQuery, Ejs(HTML/CSS)

(Nov 2019 -Dec 2019)

- Developed a Web Application for sharing cycles. Cycle owners can list their cycles to the portal and users can book them based on availability.
- Used NodeJS and MySQL for backend and ejs (html), css and jQuery for client side.

React Review - NPM Package - NodeJS, MySQL, jQuery, Ejs(HTML/CSS)

(Nov 2019 -Dec 2019)

- Developed a React plugin/tool for analysing Review and Feedback with complete text analysis and probability of being a fake review.
- Used ReactJS and Mathematical approach.

Other Projects

Malaria detection using Convolution neural network- TensorFlow, Pandas, (Feb 2020 - Apr 2020)

- Used Convolution neural network to make a deep learning model using a big dataset of cell images.

Hackathon Project : Android and ios Application - Flutter , Node JS, MySQL (Mar 2019 - Apr 2019)

- Build an Android and iOS app for community favouring works that can be done by the community itself.
- Led the Team of 4 Students, ranked in the top 6 out of 90 teams all across India.

Paper Chat (Disposable chat application) - Firebase, React JS (Aug 2020)

- Paper Chat allows users to securely chat with each other without any authentication.
- Led the Team of 4 Students, ranked in the top 6 out of 90 teams all across India.

Developed Static Websites - JQuery, JavaScript, HTML, CSS, PHP, MySQL (July 2017 - Present)

- Developed website of [Singularity 2019](#) - Science Fest of IISER Bhopal.
- Developed website of [Conference ACES IISERB](#) 2019- Chemical department at IISERB.
- Developed website of [Neurogenetics lab](#) - Biological department at IISERB.
- Developed website of Annual Cultural fest [Enthuzia 2020](#) and [Enthuzia 2018](#).
- Developed website of [Electrical engineering and Computer science Club](#).
- Developed website of gaming fest 2018- [Armageddon](#).

[+More.](#)

Achievements

- **Won 4th position** in the App development at **NIT Hamirpur** among **100+** teams from Machine Learning, Augmented Reality, Computer Vision and Embedded Systems domains.
- **Secured** 26165 rank (AIR) in JEE Advance 2017 among 11.84 Lakh participants (Mains+Advance). OBC Rank 6407.
- **Freelancing** - Received Appreciation from a client for developing the website of their NGO.

Skill Set

Programming Languages and Frameworks

- **Fluent:** JavaScript, C++, Python, Node JS, React JS, Flutter, MongoDB
- **Medium:** PHP, AngularJS, MySQL, React Native, Django

Machine Learning

Linear Regression, Image recognition using Principal Component analysis, CNN and ANN.

Others

AWS, DevOps, Database Management, Solution Architect, UI design.

Academic Details

Year	Degree/Exam	Institute	Grade
2017 - 2022	BS-MS	Indian Institute of Science Education and Research, Bhopal	6 CPI
2017	12th Board RBSE	Disha Delphi Global School, Kota, Rajasthan	85%
2017	10th Board RBSE	Guda Public School, Gudha-Gorji, Jhunjhunu, Rajasthan	76%

Training and Certifications

Computer Science Courses: Introduction to Programming, Linear Algebra, Single and Multi Variable Calculus, Discrete Mathematics, Data Structures and Algorithms, Theory of Computation, Data Science and Machine Learning, Software Verification and Model checking, Computer Organisation, Network Theory, Advanced Linear Algebra.

Workshops : Internet of Things - IISER Bhopal , Machine Learning - NIT Hamirpur.

Online Courses : Data Science with Python, MERN stack, etc.

Certificates : Technical Lead - CDC@IISER Bhopal 2018, Web Developer - CNC@IISER Bhopal 2019

Interests

Coding, Gaming and Sports