

# SATHVIK PARTHASARATHY

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Portfolio: <https://sathvik09.github.io/portfolio.github.io/>

## EDUCATION

- BMS College of Engineering**, Bangalore, Karnataka, India Sep 2018 - Dec 2022  
**Bachelor of Engineering in Information Science and Engineering, GPA: 8.95/10.0**  
**Courses Taken:** Analysis and design of algorithms, Operating System, Computer Organization and architecture, Web Programming, Linear Algebra
- Sri Kumaran Composite PU college**, Bangalore, Karnataka, India Mar 2016 - Mar 2018  
**Class XII, Percentage: 93%**
- Sri Kumaran Children's Home**, Bangalore, Karnataka, India Mar 2015 - Mar 2016  
**Class X, Percentage: 89%**

## SKILLS

**Programming Skills:** Java, C, C++, HTML5, CSS3, JavaScript, Ajax, Json, Typescript, Node.js, React.js

**Tools, Libraries and Frameworks:** Eclipse IDE, Microsoft Visual Studio, IDEA, XAMP Server, Visual Studio Code, Bootstrap, SQL server, Git, npm, Jupyter, Pandas, Scikit-learn

**Platforms:** Windows, Linux **Databases:** MySQL, FIREBASE

## PROJECTS

- Career Bot** July 2020 - Aug 2020  
• Built a Discord bot with NodeJS and MongoDB Atlas database. The bot has a list of careers displayed in an interactive way.
- Facial Recognition Using PCA** May 2020 - June 2020  
• Developed a facial recognition ML model using PCA with an accuracy of 97%.
- Library Automation** May 2020 - June 2020  
• Built a website to implement a library management system using HTML, CSS, JS for the front end, PHP for the back end and MySQL database. It gives each student/teacher an account from which he/she can issue or return a book. When the user has passed his return date, an amount is deducted from his balance.
- Smart Home Simulation** Apr 2020 - May 2020  
• Designed and implemented a 3D smart home with JavaFX. It consists of features such as changing light color, playing video and a calorie counter. It has 4 rooms livingroom, bedroom, kitchen and a gym with various features in them.
- Chat Application** Dec 2018 - Jan 2019  
• Developed a chat Interface using HTML, CSS, JS for the front end and Google FIREBASE for the database. It allows multiple users to text each other at any time with their username. All chats are stored in Google FIREBASE.
- Weather Application** Nov 2018 - Dec 2018  
• Built a website using HTML, CSS, JS. It gives all the details about the weather of any place in the world with the help of AccuWeather API. All API calls are made in JavaScript.

## EXPERIENCE

- PHASESHIFT 2019, BMSCE** Aug 2019 – Sep 2019  
- **Junior Developer**  
• Developed the PHASESHIFT 2019 website using HTML, CSS, JS for the front end, PHP for the back end and MySQL as database.  
• This website was used by over 1000 students to view details and register for all events during the fest.
- Vidya Sarathy & Associates** Apr 2019 – May 2019  
- **Lead Developer**  
• Designed and developed a website using HTML, CSS, JS for front-end.

## AWARDS AND RECOGNITIONS

- Our team (QuantX) won the 1<sup>st</sup> place in Sustainability Hackathon (2020) conducted by BMSCE.
- Our team won the 2<sup>nd</sup> place in Code In the Dark (2020) conducted by BMSCE. The task was to replicate a website without looking at the output at any given point of the competition.
- Our team won the 2<sup>nd</sup> place in Jam Sandwich Algorithm (2020) conducted by BMSCE. The task was to present an optimal algorithm which depicts how an AI bot would process a task.
- Won 4<sup>th</sup> place in south zone tennis tournament, Karnataka India
- Received the UNSW GLOBAL Science award.
- Received the UNSW GLOBAL Mathematics award.
- Placed in top 10% in the International German quiz-2013.
- Received Bronze Award in IAPY