

Praveen Kumar Gupta

#B208, Mega Tower 2, NITK, Surathkal, Mangalore - 575025

+91-973-801-3574

pvgupta24@gmail.com

pvgupta24.github.io/

linkedin.com/in/pvgupta24

github.com/pvgupta24

Education

- National Institute of Technology Karnataka, Surathkal, India** July 2016 - Present
Bachelor of Technology in Computer Engineering, Junior Year
CGPA : **8.95/10.0** (As of July 2018)
Relevant Courses : Computer Organization and Architecture, Theory of Computation, Data Structures and Algorithms, Design and Analysis of Algorithms, Software Engineering, Object Oriented Programming, Operating Systems, Data Communication
- Army Public School, K. Kamaraj Road, Bangalore, India** July 2011 - Mar 2016
Class XII - **96.8 %** (AISSCE) Class X - CGPA : **10.0/10.0** (CBSE)

Technical Experience

- Google Summer of Code 2018 Student at Jitsi (Atlassian)** May 2018 - Present
 - Made an abstract translation service and implemented Google Cloud Translate to improve on speech to text services in a live video conference.
 - Added extensions to XMPP stanzas for sending json messages and language preferences.
 - Worked on a React feature for displaying speech to text results as subtitles.

Technical Skills

- Languages / Markup & Scripts** : C, C++, Javascript, Java, Python, Erlang, HTML, CSS
- DBMS** : SQL, MongoDB
- Tools / Frameworks** : Git, STL, Node.js, AngularJS, Django, JDBC, Android Studio

Selected Projects

- Impact** : Emotion analysis in video conferencing to give constructive feedback and insights. Implemented a MEAN stack web-app with Jitsi-Meet and Microsoft Cognitive Services and Chart.js for rendering the outcomes.
- PyExtractor** : Django based application which segments the text area in images and extracts texts to generate location-based data. Worked on extracting the Geodata and displaying the location on an Offline Map using OpenStreetMap and LeafletJS.
- Handwritten Equation Solver** : Application to solve handwritten polynomial equations using sympy python library and deep learning algorithms. Worked on designing the pipeline, building the required backend server and integrating the different components.
- Youtube Playlist** : Implemented a MEAN stack web application for managing and playing youtube playlists with integrated Youtube search and google authentication.
- Von-Neumann Architecture CPU** : Simulation of a 8-bit Von-Neumann Architecture CPU in Logisim and Verilog to demonstrate the control logic of a CPU.

Awards and Achievements

- Among top 1000 to be selected in **National Talent Search Examination** (2014) and among top 34 in **Karnataka Regional Mathematics Olympiad** to attend INMO camp at ISI, Bangalore.
- Awarded **CBSE Merit Certificate** for being among the **top 0.1 % in the country** in Informatics Practices (100/100) and Best **All-Rounder Revolving Trophy** (2014) in APS, Bangalore.
- Selected for Grand Finale of **Smart India Hackathon 2018** - Department of Space (ISRO)
- Among the 4 winning teams in **Microsoft code.fun.do** online junior hackathon to be selected for On-Campus Senior Hackathon for the project Impact.
- Selected for **Google India Challenge Scholarship 2018** for the Android Developer track.

Extra Curricular Activities

- Executive Member at **Web Enthusiasts' Club NITK**
- Executive Member at **IEEE, NITK Student Branch**
- Mentored around 25 students for Competitive Programming and Web development.
- Member of **Hacktoberfest-NITK(2k17)** to promote open source contributions in the institute.
- Keen interest in Basketball, Badminton, Reading and Sketching