Kaustubh Hiware

✉ hiwarekaustubh@gmail.com • ☐ +91 86683 92709 • ⌨/in KaustubhHiware • 🌐 KaustubhHiware.in

Work Experience

Schlumberger, Pune Tech Center   Software Intern   May '18 - Jun'18
- Developed **RESTful backend API** in C#, .NET that provided endpoints to existing computation engine.
- Wrote a DLS-compliant **frontend in Angular**, which was used by multiple field experts from South-east Asia.
- Rewarded a **Pre-Placement Offer** as Software Engineer for diligent contribution to the organisation.

Elanic, Bangalore   Backend developer Intern   May '17 - Jun'17
- Built complete CRUD for 2 classes, in NodeJS REST API. Abstraction written extended to **50%** of all classes.
- Developed a npm module urlparamify to be used in website, which received over **3000** downloads so far.

Education

Indian Institute of Technology, Kharagpur   Bachelor's & Master's of Technology in Computer Science & Engineering   Apr '14 - Jun '19   CGPA: 8.47/10

Projects

SAVITR: A System for Real-time Location Extraction from Microblogs during Emergencies.   Jul '17 - Apr '19
Research Project under Asst. Prof. Saptarshi Ghosh   *CSE Dept., IIT Kharagpur*
- Developed a **pre-warning system** to detect potential disaster situations: savitr.herokuapp.com and identified geospatial distribution and situational importance of tweets. A paper was accepted at SMERP - WWW'18.
- Further developed a **disaster-relief assistant** that identifies and matches resources collected from social media. Secured first place in Microsoft's Codefundo++'19, Kharagpur. Amongst top 21 teams out of 5400 participants.

Deep Learning in Legal Data Analytics   July '18 - Apr '19
Masters' Thesis Project under Prof. Saptarshi Ghosh   *CSE Dept., IIT Kharagpur*
- Utilizing legal knowledge to deploy a **search engine** with thematic segmentation.
- Analyzed summarization for legal documents and reported findings in a research paper at ECIR.

Emotion detection using Smart Devices   Jul '17 - Apr'18
Bachelors' Thesis Project under Prof. Bivas Mitra & Prof. Niloy Ganguly   *CSE Dept., IIT Kharagpur*
- Investigated the role of touch interactions in **multi-state emotion detection**. Involves jointly modeling typing features and user provided self-reports to build a **personalized machine learning model**. Obtained an accuracy of **73%**.
- 2 research publications accepted - at IUI and IJHCS journal.

Core CS projects & self projects
- Implemented a crash tolerant, multi-threaded collaborative download system as a Distributed Systems project.
- Hobby projects, available on GitHub - a terminal notifier,an NLP-powered IDE, a food-ordering portal and a facebook data analysis toolkit amongst others. More here: kaustubhhiware.in/#projects.

Coursework

Deep Learning$^+$	Machine Learning	Natural Language Processing$^+$	Image Processing$^+$	Artificial Intelligence
Data Analytics$^+$	Social Computing$^+$	Database Management Systems$^+$	Computer Networks$^+$	Software Engineering$^+$
Compilers$^+$	Algorithms 1$^+$ & 2	Distributed Systems$^+$	Operating Systems$^+$	[$^+$ Practicum included]

Technical skills

- Programming Languages: Python, C/C++, Javascript/NodeJS (Proficient) ‖ C#, Java, Scala, R (Familiar)
- Web : HTML, CSS/SCSS, Bootstrap, Jekyll, Django, React, Angular
- Frameworks/Tools : Postman, Spark, MongoDB, Git, Shell, Elasticsearch, Heroku, LaTeX, Markdown

Extra-curricular

- Received Honorable Mention for contribution in Tech by IITKGP Gymkhana (Awarded to 10 students of 2000).
- Secured Second Place in NYU Abu Dhabi's International Hackathon on Social Good.
- **Maintainer, MetaKGP**: Conduct various activities to promote hacker culture and collaboration on campus.
- Mentored a team of 20 to secure Silver in Inter Hall OpenSoft competition, IIT Kharagpur.
- **Mentor**: Guided freshers towards open source, in Kharagpur WoC, GirlScript SoC and Google code-in.

Last updated: Jun 15, 2019.