

CHIRAG GOEL

Computer Science | Software Engineer

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EDUCATION

M.S in Computer Science

University of Massachusetts - Amherst

📅 Aug 2019 – May 2021 (exptd.)

Bachelor of Technology

Visvesvaraya Technological University

📅 Aug 2013 – June 2017

EXPERIENCE

Software Engineer

General Electric (Digital | Transportation)

📅 Jan 2017 – Jul 2019

📍 Bangalore, India

- Contributed to \$2M services program by improving efficiency between shop-floor and supply-chain teams by developing a web application. (Angular 7, Java Springboot, Postgres, Redis).
- Initiated a CI/CD pipeline upgrade estimated to provide ~\$200k benefit in time savings by introducing a container based enterprise architecture in collaboration with the DevOps. Also setup the road map for building server-less apps on AWS.
- Developed a reusable chatbot framework. Widely adopted for data-retrieval in the analytics-driven organisation. Implementations within core tools like Reliance-ETQ and supplier dashboards. (Python, NodeJs, Numpy, scikit-learn, RasaNLU, NodeJs, MongoDB, Angular, Kerbaros, Hive)
- Generated application ROI analytics by using customer segmentation, product adoption and effective product management on a UX focused web app by building a library to capture click-stream data of the applications. (Python, Shell, JS, MongoDB)
- Contributed to the Digital Transformation initiatives as a lead and mentor to groups on innovation projects involving Hololens, Industrial IoT project with X-Ray Tubes, process automation and 3D Data visualization.

Software Engineering Intern

Trelleborg

📅 Jan 2016 – Aug 2016

📍 Bangalore, India

- Formulated and developed the 'Alternate Part Suggestion' tool using Machine Learning to help guide hundreds of technicians to choose better alternate parts during repair. (Tensorflow, NativeScript)

SKILLS

- Frontend: HTML5, CSS3, Angular, React
- Backend: NodeJs, PHP, Python, Java (SpringBoot)
- Mobile (Hybrid): NativeScript, Ionic
- Databases: MongoDB, Postgres, MySQL, Redis
- Cloud: AWS, Azure, GCP
- ML/NLP Frameworks: Tensorflow, sci-kit Learn, spaCy
- AR/VR: Unity, HoloJs, Vuforia
- Graphic Design: Photoshop, Illustrator, Coral Draw

HONORS & AWARDS

- Awarded Rising Star at GE Transportation as the most promising young employee.
- Gold Medalist in Web Development at WorldSkills India (Central Govt. of India)
- Awarded five "Above and Beyond" for my skunkworks project at GE.
- 1st Place at multiple hackathons. (inGenius - ACM Bangalore, #Code - Microsfot Lab, Kludge - PES University, Data Viz - GE)
- Awarded 'Best Coder' for my contributions to CS Department during undergraduation.

PROJECTS

Web Semantics for IoT

- Use web semantics to allow devices to query the internet and obtain information with no human intervention.
- Demo was done with an Arduino on a microwave to automate the settings at which the item must heat by finding it from the internet.
- Awarded best project award at undergraduation. Featured in newspaper and television.

Geo-Physical Knowledge Discovery

- Developed a CNN to predict the geo-physical information including the possibility of next possible disaster at a location by using information from other similar locations.

OPRS - SciBase

- An unique Open Peer Review System that allowed researchers to collaborate on a web tool to provide and obtain feedback on their research papers.

Step-wise navigation for blind

- A hackathon project to help the blind navigate through a building by triangulating their exact position by tracking their walking pattern along with sensors.

PESAPP

- An app to help students plan their classes and track their attendance integrating it with the online attendance system of the university. Obtained over a 1000 downloads within it's first week.

AFFILIATIONS

- Representative for Asia at WorldSkills Champions Trust (2015-2019).
- Panelist at India-Australia Education Council Conference (2019).
- Chairman of ACM Student Chapter at PES Institute of Technology (2016-2017).
- Mozilla Student Ambassador (2014-2018)