Devansh Batra

https://devanshbatra.com
Email: devanshbatra51@gmail.com

EDUCATION

NSIT, UNIVERSITY OF DELHI
B.E. in Information Technology
May 2021
Cum. GPA: 8.63

LINKS

Github:// **devanshbatra04**
LinkedIn:// **devanshbatra04**

ACHIEVEMENTS

Aug 2020 ARES ranked 2nd at IRDC'20
Aug 2020 Won SIH 2020
Jan 2020 ARES finishes top 10 at IRC
May 2019 Secure Private AI Scholarship
Mar 2019 Won SIH 2019
Mar 2019 Perfect Science Sore URC'19
Jun 2018 ARES qualifies ERC finals

SKILLS

PROGRAMMING LANGUAGES
Over 10000 lines:
C++ • Javascript • Python
Over 5000 lines:
C • CSS • SQL • Haskell • Ruby
Over 1000 lines:
Java • Shell • PHP • Solidity • Haskell

FRAMEWORKS
Proficient:
React • Pytorch • Flask • QT • OpenCV
Experienced:
Robot Operating System • Pytorch •
Django • Ruby On Rails

OPEN SOURCE

Collaborator at W3C/ReSpec
- Implemented optimisations and features used across W3C specifications .
- Refactored codebase to remove outdated dependencies, sped up compilation.

Contributor to Google/CodeWorld
- Added parity features to Haskell coding environment including syntax highlighting.
- Added limited support for collaborative coding inside editor using functional transforms in active sessions.

Contributor to OpenCV
- Added Text Detection using Stroke Width Transform to Text Module at OpenCV.

SELECTED WORK EXPERIENCE

D.E. SHAW INDIA | Member Technical
May 2021 – Present | Hyderabad, India
- Developing proprietary synthetic datasets for financial quantitative research.

NANYANG TECHNOLOGICAL UNIVERSITY | Project Intern
Jun 2020 – April 2021 | NTU Speech Lab, remote
- Developed realtime entity recognition system for ATC in Singapore airport.

GOOGLE SUMMER OF CODE | Student Developer
Jun 2020 – Aug 2020 | OpenCV Organisation
- Created PtCloud module significantly improving OpenCV's Robotics use cases.
- Added Segmentation methods for object fitting based on RANSAC, USAC.

SPRINKLR | SDE Intern
May 2020 – Jun 2020 | New Delhi, India
- Developed extensible microservice architecture for monitoring servers.
- Added config driven GUI based slack integration for convenient interaction.

COMPLEX SYSTEMS LAB, IIIT DELHI | Undergraduate Researcher
May 2019 – July 2020 | Supervised by Dr. Ganesh Bagler
- Data curation and analysis of recipes, flavor molecules and disease associations.
- Research covered by major national and international newspapers and media.

INTEL INDEXER | Javascript and Machine Learning Intern
Jun 2018 – Jan 2019 | Berkeley, CA, USA (Remote)
- Developed a distributed socket infrastructure for Elasticsearch data streaming.
- Created React, Grafana visualization clients for real time FinTech dashboards.

SELECTED PROJECTS

TRAFFIX | CCTV Stream Based Traffic Management - Python, JS
- Real time analysis of traffic light cams, **finished 1st / 500 at hackCBS.**
- Featured Vehicle Theft Recovery, Tracking, Ticketing, Traffic Light Sync.

SENTINEL | Remote Connection And Rootkit Scanner - Python
- GUI based cross-platform security SW under Min. of External Affairs.
- Won **Smart India Hackathon 2019** among 80+ teams.

ATOM | Mars Rover Prototype - C++, Python, Embedded C
- Rewrote entire ROS navigation stack, **cutting traversal times by 33%** .
- Ported vision system and software from stereo vision to depth cameras.

WATCHDOG | Log Monitoring Dashboard - Python, JS
- Real-time remote threat scanning and three-fold alert dashboard.
- Scalable log monitoring infrastructure, **Won SIH 2020** among 22 teams.

RECIPEDB | Scientific Repository of Cooking Recipes - Python, JS
- **Largest scientific db** of food recipes with flavor and health correlation
- Played major role from data curation to analysis and web app creation.
- Accepted for publication at **Oxford Academic's Database** journal.