Kopal Gupta

gkopal97@gmail.com | https://kopalgupta.github.io

EDUCATION

Indira Gandhi Delhi Technical University for Women
Delhi, India | Aug 2015 - Present
B.Tech. in Information Technology
Expected Graduation: May 2019

Amity International School
Mayur Vihar, Delhi | May 2015
High School, Central Board of Secondary Education (CBSE)
Percentage in 12th grade: 95.2%

SKILLS

Full Stack Web Development, Machine Learning, Testing, Debugging, DevOps, API Development, UX/UI Designing, Project Management

Languages: C/C++, Java, Ruby, HTML, CSS, JavaScript, Python, SQL, Node.js, PHP, R, Go

Frameworks: Rails, jQuery, Express.js, socket.io, Spring Boot

DB Management Systems: MySQL, SQLite, MongoDB, PostgreSQL

Version Control: Git/Github, Perforce

OS: UNIX/LINUX

Project Management Framework: Agile - Scrum

Other Skills: Finances and Account Management, Event and Logistics Management, Team Management, Public Speaking

SOCIETIES & ACTIVITIES

The Association for Computing Machinery (IGDTUW Chapter)
- Treasurer | Oct 2017 - Feb 2019
- Core Member | Oct'16 - present
- Instructor for peer-to-peer sessions on Open Source and Web Development (Ruby on Rails)

GDG New Delhi
- Member | 2019 - present

IGDTUW's Entrepreneurship and Development Cell (EDC)
- Member, Accounting and Finance department | AY 2016-17

TEDx IGDTUW
- Member, EM team | 2017

Taarangana (Cultural Fest)
- Head-coordinator, EM team | 2017

Society for Science and Public (SSP)
- Member of SSP Intel ISEF Community | 2014 - present

LINKS

Github: kopalgupta
LinkedIn: kopalgupta07
Twitter: TheKopalGupta

EXPERIENCE

Expedia Group | Associate Software Development Engineer Intern
Gurgaon, India | June 2018 - July 2018
- Part of Expedia Worldwide Engineering (EWE) - Loyalty Engineering Oneteam (LEO).
- Worked on the DS tool's web application, UI modifications, fixed performance issues and optimised the tool by reducing the overall time taken to process requests.
- Worked extensively on the backend of the Loyalty platform ERS and developing its API.
- Performed Unit, Integration, E2E and Perf testing of the DS and ERS applications.
- Technologies used - Spring Boot, MongoDB, Expedia's UITK, Jenkins
- Project management framework - Agile (Mingle and JIRA)

PSOSN Summer School
IIIT Hyderabad | July 2017
- Worked on extraction and analysis of data from OSNs (Facebook and Twitter) using python ML and scientific libraries.
- Network Analysis and Visualisation using Gephi, NetworkX, igraph

INDEPENDENT PROJECTS

Smart Travel - Optimising Public Transport system
- Web and mobile app based solution to enhance lives of commuters, Department and the staff appointed in public transport. In accordance with requirements of Goldman Sachs.
- Uses ML-based algorithms to predict the occupancy in bus/metro at a particular stop, safest bus route along with cheapest and quickest routes.
- Provides real-time and overall analytics to the Public Transport Department.

FindLoan - A loan aggregation and management Application
- A flexible CMS portal that provides up-to-date information about government Loan schemes to users. Provides users interface to apply for loans online.
- In accordance with the Startup India Hub and requirements of DIPP.
- A well-structured all-in-one portal for applicants and department officials.

EduPal - Helping students explore opportunities in their fields
- Recommends relevant competitions and scholarships to students based on their linkedIn profiles. Uses an ML-based model for making recommendations.
- Suggests students majors and colleges based on their profiles & interests.
- Assigns a tech score to students based on their GitHub contributions.

SafeCitizen Application - Safeguarding citizens against Monkey Menace
- A Smart CMS portal for citizens, PMC and monkey catchers. Also processes CCTV footage to detect monkeys & auto-register complaints.
- In accordance with PMCCare and requirements of Pune Municipal Corporation.

Defect Tracking Tool - Tracking and predicting bug-prone Java classes
- Predict defect-prone files in GitHub repos on the basis of important software metrics.
- Helps in developing reliable software that is maintainable and easy to test.

SELECTED ACHIEVEMENTS

- **Smart India Hackathon 2019** - Lead the team LinkedList under Goldman Sachs (organisation). Won the first award at the Grand Finale.
- **HENNGE (formerly HDE) GIP 2019** - Selected for the Global Internship Program to be held in Tokyo, Japan (Sept 2019). Successfully completed Golang and Network Programming challenges.
- **Niti Aayog Pune Smart City Hackathon 2018 -** Top in priority theme.
- **Smart India Hackathon 2018** - Lead the team LinkedList under DIPP, Ministry of Commerce, won the third award at Grand Finale.
- **HackBMU 2018** - Won the GeeksforGeeks special award (AI track)
- **LinkedIn Wintathon 2017** - Won the third award at the Grand Finale of Wintathon (Machine Learning track).
- **Oracle GHCI Scholarship 2017** - Received the full scholarship to attend the Grace Hopper Conference India 2017 from Oracle.
- **ASU Sustainability Solutions Festival 2015** - Got the full scholarship to present research work at Arizona State University during Sustainability Solutions Festival.
- **Intel ISEF Grand Award 2014** - Won the 4th grand award in Chemistry for research work at ISEF grand finale in LA.
- **Rob and Melani Walton Sustainability Solutions Award 2014** - Won the Special award at ISEF for research work in Chemistry.

RESEARCH WORK & PATENT

Equipment for for detection and removal of pesticides from the surface of fruits and vegetables | Independent Research | May 2013 - Feb 2015
Filed a patent (Application number: 75/DEL/2015) at IPO Delhi