

Mayank Sharan

Data Scientist, Bidgely, Bangalore

Email : mayanksharan96@gmail.com

Mobile : +91-956-050-5791

EDUCATION

- **B. Tech. (Computer Science and Engineering)** Indian Institute of Technology, Delhi, India
GPA: 9.043 July 2014 – May 2018
 - Specialization in Data Analytics and Artificial Intelligence
- **Class XII, CBSE** DAV Pushpanjali, Delhi, India
Percentage : 96.4 % 2014
- **Class X, CBSE** DAV Pushpanjali, Delhi, India
GPA : 10.0 2012

EXPERIENCE

- **Bidgely Technologies** Bangalore, India
Data Scientist July 2018 - Present
 - Spearheaded python migration of the complete disaggregation suite
 - * Developed the complete code base, achieving over 10x increase in throughput
 - * Optimized and ported multiple modules with speedups ranging from 6x to 12x
 - * Coordinated across multiple teams to ensure on time delivery and smooth execution
 - * Shifted complete architecture to use APIs to simplify operations for DS and AIG teams
 - Designed a roadmap to developing lighting v2 with improved accuracy
 - Provided proof of concept for load forecasting (Winner bidgely hackathon 2019)

INTERNSHIPS AND PROJECTS

- **Indian Legal Dataset Analysis** Indian Institute of Technology, Delhi
Prof. Mausam, Bachelor Thesis Project July 2017 - May 2018
 - Worked on District courts data from over 250 districts scraped and databased
 - Generated comparisons and rankings based on metrics and parametric modeling
 - Results and analysis available at the following site
- **Estimation of Lighting Power Consumption** Bidgely, Mountain View, CA
Data Science Intern May - July 2017
 - Created new estimation algorithm for lighting power consumption using minute frequency data
 - Integrated and Deployed module currently live in millions of homes across continents
- **Detecting Severity of Smoking Addiction via Eye Tracking** Indian Institute of Technology, Delhi
Prof. Rahul Garg, Research Project May 2016 - May 2018
 - Created novel paradigm with eye tracking tasks to report severity of smoking addiction
 - Developed eye tracking stabilization module to obtain consistent data from the eye tracker
 - Found correlation between the test scores and severity of smoking addiction severity
 - In the process of publishing a paper on the results

OTHER PROJECTS

- **Visual Question Answering:** Created a CNN-LSTM based VQA network to compete in VQA contest
- **Multiplayer Online Game:** Game from scratch with immersive sound effects with JavaFX, Swing and UDP
- **Compiler Design:** Wrote modules for scanning, parsing, tokenizing, AST, assembly code and execution
- **News Item Classifier:** Naive Bayes Classifier that categorizes news items into 8 categories with 90% accuracy

RELEVANT COURSES

- **Computer Science:** Natural Language Processing, Artificial Intelligence, Deep Learning, Machine Learning, Advanced Computer Networks, Computer Networks, Theory of Computation, Logic for Computer Science, Analysis and Design of Algorithms, Data Structures and Algorithms, Operating Systems, Design Practices, Database Management Systems, Parallel and Distributed Programming, Programming Languages, Digital Logic and System Design, Computer Architecture, Introduction to Computer Science
- **Mathematics:** Algebra, Discrete Mathematical Structures, Probability and Stochastic Processes, Linear Algebra and Differential Equations, Calculus
- **Miscellaneous:** Introduction to Electrical Engineering, Signals and Systems, Sociology of India, Introduction to Psychology, Philosophy of History, Microeconomics

TECHNICAL SKILLS

- **Languages:** C, C++, Java, Python, SML
- **Web Development:** HTML, CSS, PHP, SQL, javascript, jQuery
- **Packages and Softwares:** MATLAB, PyTorch, PyCharm, Android Studio, NS3, Mininet

SCHOLASTIC ACHIEVEMENTS

- **Semester Merit Award:** Received Semester merit award for being in top 7% of class for 2 semesters at IIT Delhi
- **IChO, 2014:** Invited for Orientation cum Selection Camp for being in the top 35 among over 30,000 applicants
- **KVPY, 2012:** Selected as a fellow in the young scientist program conducted by IISc, Bangalore
- **IIT JEE, 2014:** All India Rank 68 among 1.5 million applicants
- **INPhO, 2014:** Selected to appear for being in top 1% applicants for NSEP, 2014
- **INAO, 2014:** Selected to appear for being in top 1% applicants for NSEA, 2014

EXTRA CURRICULAR ACTIVITIES

- Chief Adjudicator for IIT Delhi Parliamentary Debate 2018, with over 32 teams and 100 adjudicators
- Vocalist at the Eastern Music Society Mridang performing at numerous events
- Breaking adjudicator at national level debates, Trivium, 2015 and IITPD, 2016
- Helped preparing financially challenged kids for IIT JEE with teaching and doubt clearing sessions