



**Himanshu Baheti**  
**Electrical Engineering**  
**Indian Institute of Technology, Bombay**

**170070018**  
**B.Tech.**  
**Gender: Male**  
**DOB: 13-07-1999**

Examination	University	Institute	Year
Graduation	IIT Bombay	IIT Bombay	2021

Pursuing **Minor degree in Computer Science & Engineering**

### SCHOLASTIC ACHIEVEMENTS

- AIR-254 in **JEE Advanced 2017**, AIR-277 in **JEE Mains 2017** (1.3M candidates), **430 of 450** in **BITSAT 2017**
- Lean Six Sigma Certification** under Green Belt Program by **KPMG** in Autumn 2018
- Top 1%** at National Level in **Physics Olympiad 2016** & at State Level in **Chemistry Olympiad 2016**
- School Rank 1** in CBSE 10<sup>th</sup> Board **AISSE** with **97.8%**, **Udemy Courses**: Machine Learning, Data Structures in Python

### PROFESSIONAL EXPERIENCE

<b>RELIANCE INDUSTRIES LIMITED</b> (Jun - Aug '20)	<b>Trading Strategy Intern</b> / Treasury Department, Mumbai (Virtual Internship) <ul style="list-style-type: none"> <li>Coded <b>30+ indicators</b> in python for <b>technical analysis</b> to understand trend behaviors</li> <li>Designed algorithms to seek <b>trendlines, chart patterns</b> and <b>divergences</b></li> <li>Modelled new <b>adaptive</b> trends, Backtested <b>machine learning</b> models on U.S. 10Y Bond Yields achieving <b>85% accuracy</b>, Initiated improvements in forecasting using LSTM networks</li> </ul>
<b>PALPX</b> (Apr - May '20)	<b>AI Intern</b> / Automatic Visual Inspection Systems Team, Bangalore (Virtual Internship) <ul style="list-style-type: none"> <li>Used <b>OpenCV</b> tools to extract objects' features, learning algorithms to achieve <b>70% accuracy</b></li> </ul>
<b>ERNST &amp; YOUNG</b> (Dec '19 - Jan '20)	<b>Risk Advisory Intern</b> / Advisory Services Department, Mumbai <ul style="list-style-type: none"> <li>Developed risk &amp; control matrix for <b>access controls</b> to audit information systems of vendor</li> <li>Created <b>10+ Records of Processing Activities</b> about the client's business(data privacy rules)</li> <li>Researched, Made interactive reports, <b>dashboards</b> for security risk assessment in <b>Power BI</b></li> </ul>
<b>FLEXMONEY TECHNOLOGY PVT LTD</b> (May - Jul '19)	<b>Analytics Intern</b> / FinTech Startup providing digital EMI for online transactions, Mumbai <ul style="list-style-type: none"> <li>Wrote <b>SQL scripts</b> to compute the <b>transaction funnel</b> from the data in <b>AWS Athena</b> &amp; to identify drop reasons, Analysed customers' <b>frequency patterns</b> and other distributions</li> <li>Computed the conversion rate and effectiveness of <b>marketing campaigns</b></li> </ul>

### INTERNATIONAL EXPOSURE

**EXCHANGE SCHOLAR** / KTH Royal Institute of Technology, Stockholm, Sweden (Jan - Jun '2020)

Selected to represent IIT-B among cohort of international students from **110+ countries**, completed Masters courses

**FINANCE PROJECTS** / Course: Behavioral Finance, Stockholm School of Economics

- Case Study** on bubble mechanisms, information asymmetry, arbitrage opportunity using **real trading data** (Python), Studied the **behavioral principles** at play, Suggested steps to **mitigate losses** and confusion among the less informed
- Nudge to reduce overspending in **microtransactions** in video games, **presented policies** built on behavioral aspects

### POSITIONS OF RESPONSIBILITY

<b>TEACHING   MENTORSHIP</b>	<b>TEACHING ASSISTANT</b> / MA207: Advanced Differential Equations (Sept - Nov '19) <ul style="list-style-type: none"> <li>Engaged in weekly <b>problem-solving</b> sessions for <b>40+ students</b>, evaluation of exams</li> </ul> <b>MENTOR &amp; INSTRUCTOR</b> / ZEAL Coaching Institute, Navi Mumbai (Jun '18) <ul style="list-style-type: none"> <li><b>150 hours of teaching</b> Science and Mathematics to IIT-JEE Aspirants and school students</li> <li>Lectured core topics, held doubt solving sessions, <b>mentored &amp; motivated 80+ students</b></li> </ul>
<b>TEAMWORK   MANAGEMENT</b>	<b>HOSTEL SOCIAL SECRETARY</b> / Hostel 8 Council 2018-19, IIT Bombay <ul style="list-style-type: none"> <li>Elected by an <b>electorate of 450 hostel inmates</b> with a mandate to have vibrant social culture</li> <li>Organized a <b>hostel trip</b>, Created Budgets worth <b>70K INR</b>, Brought maximum participation</li> </ul> <b>COORDINATOR</b> / Operations, Mood Indigo / Asia's Largest College Cultural Festival (Jun - Dec '18) <ul style="list-style-type: none"> <li>Dealing and <b>aggressive negotiation</b> with vendors for the Carpentry required for all events</li> <li><b>Managed Requirements</b> of competitions, stalls, shops, workshops during the 4 day festival</li> </ul>

### KEY TECHNICAL PROJECTS (STATISTICS)

**ERROR CONTROL IN RELAY NETWORKS** | Course: Queuing Theory & Teletraffic Systems (Spring 2020)

- Compared the performance of AF and DF relaying in 2 automatic repeat request (ARQ) schemes with **Markov Chains**

**NOISE REDUCTION USING ADAPTIVE FILTERING** | Course: Adaptive Signal Processing (Spring 2020)

- Designed noise attenuation filters in MATLAB for a real sound recording using **Weiner, LMS, NLMS, RLS** algorithms

**TRAFFIC SIGN RECOGNITION** | Course: Digital Image Processing (Fall 2019)

- Using **Hough Transform** and **PCA techniques** to detect and classify traffic signs in images, coded in MATLAB

**LANGUAGES:** Python, MATLAB, SQL, C, C++, VHDL **KEY COURSES:** 'AA' in EE325: Probability, EE223: Data Analysis, ML

### EXTRACURRICULARS

- Volunteer in NSS** under Green Campus, Awarded **3rd Prize** in the **12th National Science Festival - KHOJ 2011** for project on **Production Of Sustainable Bioplastics**, 2<sup>nd</sup> position in All-school **Chess** Tournament, Winner in **Cultural & Art** Competitions, Active Delegate & **Secured distinct positions** in elocutions & debates in English, Hindi & Sanskrit
- Play various Board Games, Endurance Sports, **Cricket, Badminton**, An Avid **Reader**, A Beginner **Guitar Player**
- Travelling enthusiast:** Backpacked across Europe on a shoestring budget, **Trekking** in India & Bhutan

Scholastic achievements and extracurricular activities are not verified by the Placement Cell