

# AKHIL NAMA

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## EDUCATION

<b>B.Tech   Indian Institute of Technology Kharagpur, India</b>	Jul'19 - Apr'23
Chemical Engineering	GPA: 8.73/10.0

## SKILLS

**Programming Languages & Software:** JavaScript | Node.js | Express.js | React.js | MongoDB | GIT | Jira | SQL | C++ | Python (Pandas, Numpy, Matplotlib, Seaborn, Scikit-learn, XGBoost) | MS Excel | SAS

## EXPERIENCE

<b>Ace Turtle</b>	Jun'23 - Oct'23
Associate Software Developer, Bangalore, India	
<ul style="list-style-type: none"><li>Engineered API calls using <b>Node.js</b>, <b>MongoDB</b> to integrate ESL device into the Offline POS channel, enhancing promotion visibility</li><li>Implemented <b>Handshake API mechanism</b> linking Rubicon (In-house Server) and Solum's ESL Servers increasing overall reliability</li><li>Optimized Product data display for the ESL device's screen dimensions using Templates, improving user experience and alignment.</li></ul>	
<b>Axis Bank</b>	Jun'22 - Jul'22
Business Analyst Intern, Bangalore, India	
<ul style="list-style-type: none"><li>Used <b>SAS &amp; SQL</b> in SAS to collect <b>8000+</b> transaction data of the customers corresponding to CBG WC loans in 4th Quarter of FY22</li><li>Used <b>Vintage curves</b> and Discounted Cash Flow Analysis to calculate and plot PBT Waterfall and NPV Waterfall for CBG WC loans</li><li>Received Pre-Placement Offer (PPO) to join as full-time Analyst for work done during the summer internship program at BIU</li></ul>	
<b>Indian School of Business (ISB)</b>	Jun'21 - Jul'21
Summer Analyst Intern, Hyderabad, India	
<ul style="list-style-type: none"><li>Developed <b>annual composites</b> of Landsat satellite data over the span of <b>30 years</b> from 1985 to 2015 data using <b>Google Earth Engine</b></li><li>Identified <b>9000+</b> significant points in Karnataka state &amp; analysed performance of 3 classification machine learning models using <b>recall</b></li><li>Improved overall performance of model by <b>7.5%</b> using application of ensemble learning methods on the analysed tree-based classifiers</li></ul>	

## PROJECTS

<b>Search Engine Browser</b>	Mar'22 - Apr'22
<ul style="list-style-type: none"><li>Engineered web scraping for <b>3500+</b> <b>DSA</b> problems from SPOJ and Codechef, extracting titles, links, and problem statements using <b>Beautiful Soup</b> and <b>Selenium</b>.</li><li>Developed a web application, utilizing <b>Node.js</b> with the <b>Express.js</b> library for the back-end and <b>React.js</b> for the front-end</li><li>Employed <b>TF-IDF algorithms</b> to determine the top 10 related problems for user queries from the problem corpus.</li></ul>	
<b>Popularity Analysis of Songs</b>	Mar'21 - Apr'21
<ul style="list-style-type: none"><li>Applied label encoding, data cleaning &amp; data engineering techniques on the <b>1200+</b> training data points containing set of <b>10+</b> features</li><li>Created Correlation <b>Heat Maps</b> to identify 2 overlapping features &amp; visualised the dataset via scatter plot matrix to generate insight</li><li>Increased utilisation of biddable amount by <b>100%</b> through application of novel ensemble model technique on three classification models</li></ul>	

## AWARDS AND ACHIEVEMENTS

- Secured Departmental Rank 5 and was among top 1% students in Institute to be awarded department change at the end of first year
- Peak-rated **2019 (5-start Division-1)** on Codechef (**Handle: akna13**) and **1629 (Expert)** on Codeforces (**Handle: aloo247**)
- Ranked among **top 2%** and **top 0.3 %** out of the total candidates who appeared for **JEE Advanced** and **Mains 2019** respectively

## POSITIONS OF RESPONSIBILITY

<b>Senior Executive Member (SEM)   PRAYAS Team   Gopali Youth Welfare Society (GYWS)   NGO</b>	Aug'20 - Apr'21
<ul style="list-style-type: none"><li>Collectively raised amount of <b>Rs 5+ lakh</b> along with 30 other SEMs in winter collection drive by reaching <b>50+</b> schools and universities</li><li><b>Co-Founded</b> PRAYAS UG team by mentoring <b>16</b> newcomers &amp; training <b>7</b> interns through weekly hands-on session and online courses</li></ul>	
<b>Secretary Technology   Nehru Hall of Residence</b>	Aug'21 - Mar'21
<ul style="list-style-type: none"><li>Responsible for successful coordination within Hall teams with <b>30+</b> participants in <b>Open IIT events</b> conducted by IIT Kharagpur</li><li>Coordinated knowledge transfer sessions to bridge the interaction gap between seniors and juniors with <b>90%</b> participation</li></ul>	

## EXTRACURRICULAR ACTIVITIES

- Part of playing 11 of the Nehru Hall of Residence football team, participated in General Championship, IIT Kharagpur
- Along with two other team members, built a fully working remote-controlled robot in fresher's Robo-Soccer tournament
- Build a theoretical model for modern venting cart and participated in Open IIT Product Design competition in 2019-20 term