

Kandarp Khandwala

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EDUCATION

- Bachelor of Engineering in Computer Engineering** Jul. 11 - May. 15
Vivekanand Institute of Technology, Mumbai University; Aggregate: 67.95%; Major: 70.6%

EXPERIENCE

- JPMorgan Chase Co.** Jul. 15 - Present
Application Developer - Fixed Income Risk and PnL
 - DePnL:** Spearheaded the technical efforts to migrate PnL calculations for Bond Options onto a strategic platform by writing market data frameworks, pricing models and efficient reconciliation. This reduced licensing costs by million dollars a year.
 - Secured Lending:** Interacted with traders and orchestrated development of a comprehensive suite of five applications for high value Lending and Collateral transactions, shortening the turnaround time from days to minutes.
 - Dynamic Regression:** Delivered 2x faster insights by dynamically pricing and validating settlement breaks on model changes.
- Gray Routes Technology Pvt. Ltd.** Summer 14
Summer Intern
 - Intelligent Systems:** Conceptualized innovative solutions for last-mile delivery and logistics by combining Location Services with a Kohonen Neural Network for efficient inventory management and optimized route prediction.
- Avocation Educational Services Pvt. Ltd.** Summer 13 and 15
Developer Intern
 - Application Scaling:** Revamped the back-end application architecture and API services, leading to a sustained 3x increase in web traffic over the year while also slashing costs to half.
 - Mobile First:** Pioneered the design and development of Android applications which empowered the startup to adopt a distinguished strategy and triumph over the competition.

PROJECTS

- Walk for Good - A Technology for Social Good Initiative** Oct. 15 - Apr. 16
 - Solved technical challenges for an NGO by engineering an application ecosystem providing the user with custom fitness functionality and easy passive monitoring of metrics like time, speed and distance while working out.
- Personalized Search Engine and Mobile Assistant** Aug. 14 - Mar. 15
 - Programmed a small-scale search engine by extending Apache Solr, delivering high quality, efficient search results and context aware customized information based on the user's current likes and likelihood of future preferences.
- Dynamic Context Aware Traffic System Optimization** Jan. 14 - May. 14
 - Proposed algorithmic changes after statistical analyses on vehicular traffic data leading to 15% traffic efficiency improvement.
 - Nominated as the best departmental project. Picked among top ten ideas from 600 national entries at 'All India Science and Engineering' Contest organized by KPIT.
- Road Bump Data Analysis using Automated Real Time Data Stream to Big Query** Jun. 14 - Jul. 14
 - Created a data pipeline processor that managed the entire ETL process on Road Bump data collected using mobile sensors delivering an optimized route to transport cheaply.
- Faculty Feedback Assessment Module** Jun. 13 - Jun. 14
 - Engaged with college management, faculty and students while focusing on data collection, cleaning and visualization to deliver a web application to support report summarization and dashboarding of faculty performance providing insights for decision making during faculty appraisal process.

HONORS AND AWARDS

- Top Thinker:** Award for the 6 most impactful employees among 150 analysts joining JPMorgan. Jul. 15
- Hackathon - 1st Prize, JPMorgan:** Among 120 competitors selected from 20 colleges. Jul. 14
- Hackathon - 2nd Prize, Google Developers Group:** World Hackathon among 30 participating teams. Oct. 14
- Academic Scholarship:** Funding one year of education for excellence in the field of Computer Science. Jun. 11

PUBLICATIONS

- Context Aware Dynamic Traffic Signal Optimization.:** Khandwala K, Sharma R, and Rao S. arXiv:1407.5212 (2014). doi: 10.5120/17586-8253 Aug. 14

LEADERSHIP AND INVOLVEMENT

- Campus Ambassador:** Part of the campus recruitment team at JPMorgan, interacting with alma mater and ensuring high recruitment standards. Oct. 15 - Nov. 16
- Technical Judge and Subject Matter Expert:** Provided technical expertise and judged solutions at the Code for Good Hackathon, JPMorgan. Jul. 16 - Jul. 16
- Event Planner and Technical Team:** Brainstormed ideas, planned events and build technical solutions for 'Indian Society for Technical Education'. Jul. 12 - Jul. 14

PROGRAMMING SKILLS

- Python, Pandas, Django Java, Android TensorFlow, Scikit-Learn AWS, GCE Elasticsearch, Solr Git, PostgreSQL, ~~LaTeX~~