Prantar **Bhowmik**

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Experience

RBC Ventures – Full Stack Developer / R&D Team, Rocketman Team
Toronto, CA
Tech: NextJs, React, NodeJs, Typescript, PostgreSql, AWS, Terraform, Java
Oct 2019 – Present

- Led a small team of software developers, building and shipping a cross-company product end-to-end which simplified vehicle trade-in value for thousands of monthly active users
- Created a service for customers to find the best deal on a specific vehicle - comparing market rate comparisons, vehicle health, price fluctuations, and other important vehicle details
- Led a variety of UI/UX unification sweeps for Rocketman on Android resulting in a 25% increase in Play Store ratings
- Built out a new Offers section in Rocketman which displays catered advertisements from other RBC business units, creating opportunities for monetization

Royal Bank of Canada – Software Developer / Amplify Team
Toronto, CA
Tech: Django, Angular, Sqlite, Docker, Pytest, Numpy, Scikit-learn, Python
May 2019 – Aug 2019

- Explored different machine learning techniques and developed a model with XGBoost, achieving a prediction accuracy of 86%
- Built REST API and database using Django to perform token-based authentication, automated claims and crowd-sourcing data
- Created a patent-pending solution with cost saving potential of $200,000+ annually in storage and administration fees
- Managed Docker images and created test suites to provide automated coverage of 71% of the codebase

University of Toronto – Full Stack Developer / CMS Department
Toronto, CA
Tech: Django, Angular, Pytest, Typescript, Python
May 2017 – Apr 2018

- Utilized Django to connect backend database operations with frontend & created scheduler for planning events
- Created a filterable, search-able, and editable table in Angular to display the user information in an organized dashboard
- Improved automated testing, added continuous integration, and coverage testing to minimize bugs in software
- Aided in the creation and maintenance of the SQLite database which stored all user information

Technical Skills

Languages/Markup: Python, Java, C, C++, Javascript, Typescript, Go, Bash, Haskell, SQL, Solidity, HTML, CSS

Frameworks/Other: Angular, React, Git, Terraform, Node.js, Express, Django, Android Studio, Next.js, Docker, AWS

Education

University of Toronto
Toronto, CA
B.Sc. in Statistics
2015 – 2021
Teaching Assistant: Intro. to Computer Programming, Software Design, Operating Systems, Engineering Large Software Systems

Projects & Involvement

Let Me Know – Full Stack Developer
Tech: Django, Angular, PostgreSQL, Typescript, Python
2019

- Developed a news aggregation website which was a MHacks 8 finalist and received $3000+ in seed funding
- Used Django, Angular, and PostgreSQL to curate articles from Twitter, Reddit, and Facebook to perform sentiment analysis and summarization using Natural Language Processing to provide clients a real-time overview of trending events

Awards

1st Place	**RBC Amplify**	*2019*
2nd Place	**Facebook University Coding Challenge**	*2018*
3rd Place	**Microsoft University Coding Challenge**	*2017*
3rd Place	**UofT The Hub Startup Challenge**	*2017*