Prantar **Bhowmik**

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Experience

dApp Technology - Full Stack Blockchain Developer / Blockchain Department — *Toronto, CA*
Tech: React, NodeJs, GCP, Solidity, HardHat, OpenZepplin, IPFS, The Graph — *Nov 2021 – Present*

- Lead full stack developer for a high interest NFT project, which generated over 6 figures in revenue and 10000+ active users
- Created logic to programmatically set exclusions for images, clean metadata, and compute rarity. Used Hardhat to compile, deploy and test smart contracts locally and on Rinkeby testnet
- Leveraged Terraform to provision GCP databases and serverless functions to manage allowlists and ToS acceptance for users
- Prevented scam websites from defrauding customers by improving application security and enabling CDN hotlink protection

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

- Tech lead for a small team of software developers, building and shipping a cross-company product which simplified vehicle trade-in value for thousands of monthly active users
- Led the development for a service which thousands of customers used 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
- Substantially increased the quality of job applications by creating a portal that matches students to appropriate opportunities

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

Technical Skills

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

Frameworks/Other: Next.js, React, Node.js, Express, Git, Terraform, Django, Android Studio, 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 - News sentiment and analysis app — *Toronto, CA*
Tech: Django, Angular, PostgreSQL, Typescript, Python — *2019*

Computer Science Enrichment Club - Cofounder - UofT CS Club — *Toronto, CA*
Lecture Topics: Cryptocurrencies, CI/CD, Web Development, Job Searching — *2016-2019*

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*