

Inderpartap Cheema

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EDUCATION

SIMON FRASER UNIVERSITY

MASTERS IN COMPUTER SCIENCE,
SPEC. IN BIG DATA ANALYTICS
May 2021 (EXP) | Burnaby, CA
Cum. GPA: 4.06 / 4.33

VIT UNIVERSITY

B.TECH IN COMPUTER SCIENCE
AND ENGG.
May 2018 | Chennai, IN
Cum. GPA: 8.40 / 10.0

LINKS

Github:// inderpartap
LinkedIn:// inderpartapcheema
Stack Overflow:// Inderpartap-Cheema

SKILLSET

PROGRAMMING

Over 1000 lines:

• PySpark • Python • C • C++
• HTML • CSS3 • Javascript
• jBASE • Matlab • NoSQL

Familiar:

• Java • MeteorJs • MySQL
• R • Git / VCS • Flask

KNOWLEDGE

• Machine Learning • Neural Networks
• Hadoop • AWS • API Development
• Data Mining • Data Analysis
• Data Warehousing • Interface Design
• Wireframing • Rapid Prototyping
• Web Usability • Grid & Layout
• Good sense for Typography

CERTIFICATIONS

MACHINE LEARNING

- COURSERA

EXTRACURRICULAR

- Mentor for 4 teams at National High School Big Data Challenge 2019-2020, organised by STEM
- Verified listener at 7 Cups, providing counselling to people experiencing emotional distress
- Volunteer at Indian Educational Society, Gharachon, for 2 years
- Core committee member of OWASP student chapter at VIT
- Design team head at Vibrance'17, Annual cultural fest of VIT

EXPERIENCE

REALTOR.COM

CO-OP SOFTWARE ENGINEER

May 2020 – Present | Vancouver, CA

- Worked on building Anomaly Detection system for Real User Monitoring (RUM) data from the ground up.
- Developed Machine Learning models for the Performance Team using cutting edge technologies like RCF, XGBoost, SARIMAX, FbProphet etc.
- Developed performance evaluation models and visualization dashboards to find the impact of performance changes on business end.

TEMENOS GROUP

SOFTWARE ENGINEER- PRODUCT DEVELOPER

Jul 2018 – Jun 2019 | Bangalore, IN

- Selected as a Software Engineer-Product Developer for Temenos Core Banking platform - T24 used by over 600 financial institutions
- Involved in cross-team enhancement projects for architecting new features for Tier-1 Banks around the globe.
- Worked on test driven development, analysis of regression errors and code impact.

CAMBUZZ (ENTREPRENEURSHIP)

CO-FOUNDER, TECHNICAL AND DESIGN LEAD

Jun 2015 – Nov 2016

- Co-founder of the open source startup, led a team of 9 members to create a campus networking platform.
- Led design of the mobile and 2 major iterations of the web app. Revamped work-flow by following agile methodologies and using version control.
- Launched successfully in our campus and was used by 1500+ students in it's prototype run.

DATA SCIENCE PROJECTS

TRENDCAST - RETAIL SALES FORECAST | Jan 2020 – Apr 2020

- Built an AI-powered dashboard to find the impact of weather on sales in retail stores.
- Created custom stacked ensemble with multiple base learners and XGBoost as the meta-model.
- Automated pipeline from data cleaning to deployment.

FACT.ERR - FAKE NEWS DETECTOR | Sep 2019 – Nov 2019

- Developed a fake news classifier using CNNs to classify live news feeds streamed through MongoDB.
- Built a data warehouse in Cassandra combining custom built datasets with pre-existing ones.
- Used Amazon EMR to clean the data and EC2 to train the model.

SMART MIRROR | Jan 2018 – May 2018

- Created Smart Mirror, an IoT device that uses face recognition to exhibit user specific modules on a mirror-like display.
- Added speech recognition to enhance the user experience.
- Ability to act as a control hub for other IoT devices.
- Technologies used - Electron, Node.js, Python, AWS.