

# VIPIN DAS

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📍 Burnaby, Canada

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## SUMMARY

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- 8+ years of experience in Software Development and Business Analysis predominantly in Banking, Finance and Manufacturing sector.
- Work exposure in both Agile and Waterfall methodologies.
- Involved in case studies relevant to Data Mining and Machine learning for Volvo group
- IBM Certified professional in Big Data, Hadoop and Data Science Fundamentals
- FLIP certified professional in Banking and Finance domain
- Achieved 7 awards for my performance excellence in multinational companies like Volvo, Cognizant and Mindtree Ltd

## SKILLS

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- **Languages:** Python, R, SQL, Cobol, JCL, REXX, Java, C++
- **Databases:** Cassandra, DB2, IMS, VSAM
- **Operating System:** Windows, Ubuntu 18.04, IBM z/OS
- **Tools:** PyCharm, RStudio, ServiceNow, AQT, CA-Rally, Microsoft TFS, Visio, Excel, Office
- **Big Data Technologies:** PySpark, Hadoop, Kafka, Spark ML
- **Middleware:** IBM MQ
- **Schedulers:** Control-M, OPC
- **Transferable Skills:** Team work, Leadership, Problem Solving, Communication

## TECHNICAL WORK EXPERIENCE

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### Application Development Specialist(Data Engineering Analytics)

#### Volvo Group,

📍 Bangalore, India

📅 Mar'18 - Aug'19

- Maintained and developed master data ETL frameworks and interfaces for entire Volvo Group using SQL, DB2, COBOL and REXX ensuring continuous operation across all Volvo brands
- Resolved historical bugs in legacy applications resulting in **100 percent reduction of manual efforts**
- Designed and created the smart dealership model based on emerging technologies to improve the customer experience in Volvo Dealership
- Built an abstraction layer onto IBM MQ API that **reduced the coding efforts in COBOL by 30%**

### Module Lead/Business Systems Analyst

#### Mindtree Ltd,

📍 Bangalore, India

📅 Nov'13 - Mar'18

- Elicited requirements and engaged with multiple stakeholders to integrate IRIS Optical character recognition into American Express Procure to Pay operations resulting in complete digitisation of invoice process.
- Led a Agile team of 5 members to migrate GEAC Millennium(ERP) into Oracle EBS as part of legacy modernization
- Involved in solution design and development of migrating historical mainframe data into Cornerstone Big Data repository
- Design and development of mainframe legacy application such as GEAC Millennium 3.0
- Automated the legal entity creation process using PCOM VB macros that **resulted in cost save of USD 5000 towards setup efforts.**
- Created the reusable knowledge repository incorporating E2E business process for American Express accounts payable.
- Integrated products such as Concur, Vision Plus into Accounts Payable process of American Express using complex ETL solutions
- Designed and developed mainframe programs that integrated various legal requirements such as SEPA payments(Europe) and GST taxation(India) with ERP platforms.

### Programmer Analyst

#### Cognizant Technology Solutions,

📍 Chennai, India

📅 Sep'10 - Oct'13

- Aided in design, development and maintenance of Custom Management Reporting portfolio for Northern Trust Bank
- Developed a REXX tool named 'COPYGEN' that automated the process of generating copybooks for output layouts which resulted in an **annual cost saving of USD 39,356**
- Supported global batch reporting process on a 24/7 basis spread across various timezones

## ACADEMIC PROJECTS

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### Crime Analysis and Prediction of crimes in major cities across Canada

- Currently performing a historical crime study of major cities in Canada using big data technologies such as PySpark,Cassandra,Spark ML
- Collated data from various open data sources using REST API calls.
- Cleaned, Structured and Enriched raw data into desired data format
- Performed analysis of data using BI tools such as Tableau.
- Technology stack: PySpark,Cassandra DB,Spark ML

### Efficient Spare Part Demand Forecasting

- Developed a prediction model that can predict the approximate number of parts required to be stored in a single Volvo warehouse using ARIMA model.The datasets required to perform analysis was collated using ETL methods from various applications across Volvo.
- Technology Stack: R, DB2, Cobol

### Automated code skeleton creation for Cobol

- Developed a tool that can automatically create code skeleton in COBOL eliminating the creation of initial structure every time. The source code was created in REXX developed under the ownership of Cognizant Technology
- Technology Stack: REXX

## COURSEWORK AT SFU

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- CMPT726 - Machine Learning
- CMPT732 - Programming in Big Data

## ACCOLADES

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- **Winner** for designing and creating **Smart Dealership - Volvo Focus Initiative Q3'2018**
- 'Spot' Award for **performance excellence - Volvo Recognition Q4'2018**
- Received '**Unstoppable**' for continuously meeting client expectation in **business analysis** on Q2,2015
- '**Outstanding Performer of the Year**' achievement for contributing towards cost saving initiatives - Mindtree ,2016
- Received '**Hats-Off**' Award for the contribution done towards **continuous defect free delivery** on Q3,2014
- 'Above and Beyond' award for **delivery excellence - Cognizant,Q1'2012**
- Received **first prize** in Domain Premier League conducted by Cognizant for providing the **best soft model representing client business**

## EDUCATION

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### Master's in Computer Science(Big Data Specialization)

**Simon Fraser University,Canada**

📅 Sep' 19 – Dec'20

### Bachelors - Computer Science and Engineering

**Anna University, Tamilnadu College of Engineering,India**

📅 Aug'06 - Apr'10

## SELF DIRECTED LEARNING

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### Programming with Python

**Udemy**

📅 Aug' 19

### Machine Learning by Andrew NG

**Coursera**

📅 Jan'19 - Now

## CO-CURRICULAR

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- Placement Assistant at Tamilnadu College of Engineering during 2008-2010
- Event organiser for Microsoft Student Developers Conference held at 2008
- Volunteered in providing free teaching assistance to students from poor background as part of Cognizant Outreach initiative