Meet Shukla
Software Engineer/ Devops

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LinkedIn
Portfolio

EXPERIENCE

Software Engineer Intern, Trend Micro, Ottawa, Canada　　　　　　　　　　　**May 2023 — Dec 2023**
2nd Term Sept-Dec 2023:

- Key contributor in Trend's flagship cloud risk management frontend, **collaborating across functions with 2 teams including UX designers and back-end developers** to bridge design-implementation gaps while creating a new product from scratch.
- Translated complex Figma designs into **15+ react components**, ensuring pixel-perfect accuracy for seamless user experience.
- Leveraged advanced technologies like React Query, React Table, and Typescript to build a responsive user interface, resulting in a **30% improvement in page load times** and overall user satisfaction.

1st Term May-Aug 2023:

- Part of the 5 member team creating a microservice for Trend Micro's flagship product, Deep Security, focusing on the Integrity Monitoring functionality, daily tasks involves **transforming legacy code into new implementations.**
- Played a pivotal role in the successful conversion of the old code into a C++ microservice, ensuring a seamless transition for customers, resulting in a **20% reduction in processing time for integrity checks.**
- Further **integrated this microservice with Jenkins Pipelining** into the development process, automating software builds and deployments. Reduced deployment time by 40%, ensuring faster delivery of critical security updates to customers.

Teaching Assistant, University of Ottawa, Ottawa, Canada　　　　　　　　　　　**Sep 2022 — Apr 2023**

- Conducted **interactive tutorials for 120 students**, focusing on software development fundamentals and agile methodologies.
- Mentored undergraduates on how to develop **RESTful APIs using Spring Boot**, employing core Java principles to ensure robust backend functionality.

Software Engineer (Technology Analyst), Deutsche Bank, Bengaluru, India　　　　　　　　　　　**Jul 2021 — Jul 2022**

- Reduced real-time trade retrieval time by 65% using **Apache Kafka and Elastic Search.**
- Designed and implemented an efficient system, utilizing APIs to instantly deliver thousands of instrument-related data to brokers and **revamped the Jenkins pipeline for automated deployments** and testing across environments.
- Created comparison algorithm to analyze 50+ Excel files using Java Spring Boot and React for fetching data to **generate a discrepancy report by comparing those Excel files.**
- Wrote **unit and integration tests** while adhering to clean code practices.

EDUCATION

Master of Computer Science, University of Ottawa, GPA: 3.93/4.00　　　　　　　　　　　**Sep 2022 — Apr 2024**
Bachelor of Technology, Information Technology, Vellore Institute of Technology, GPA: 9.21/10.00　　　**Jun 2017 — Jun 2021**

SKILLS

Languages:　Java | Java Script | Python | C++ | HTML | CSS
Libraries/Frameworks:　Spring Boot | Express | ReactJS | NodeJS | NextJS | Prisma ORM | Tailwind CSS | Supabase | Clerk Auth
Cloud:　AWS　**DevOps:**　Kubernetes | Docker | CI/CD | Git | Terraform　**Developer Roles:**　Full Stack | Frontend | Backend | Microservices
Other:　API | Jira | Code Review | SQL/NoSQL Databases | Unit testing | Agile Methdologies | S3 Buckets | EC2 | Kafka

PROJECTS

AWS Content Moderation System (AWS, Python, Node.js, EC2, API Gateway, Lambda, SQS, SNS, DynamoDB, CloudFormation.)

- Implemented cloud architecture, allowing users to detect tags and content moderation.
- **Developed SQS for batch processing** notifications to alert administrators and harnessed CloudFormation for Infrastructure as Code (IaC) deployment.

Point of sale and Inventory management system (React JS, NodeJs, MongoDB, SQL, Prisma ORM, React Query, ExpressJS)

- Led a team of 2 to create an integrated system of inventory management and point of sale for a burger joint, including backend development, JavaScript APIs, and AWS deployment.
- Managed a project with **65 JIRA tickets, completing within one month**, while making architectural design decisions to connect inventory management and point-of-sale systems.

Topic Analysis of Software-Related Tweets (Python, Numpy, NLP, Pandas, MatplotLib, Deep Learning, SciKit-Learn)

- Filtering tweets and Preprocessing: Segregated tweets from the Customer Support Database, Developed an algorithm consisting of lowering text, removing user ids, URLs, HTML tags, emojis, and emoticons.
- Topic Modeling: Applied 3 **topic modeling algorithms(LSA, LDA, and BERTopic)** to the positive, negative, and neutral tweets identified by the sentiment analysis to know the topics from respective tweets.

CERTIFICATION

Web Developer Bootcamp, Introduction to Machine Learning Nanodegree, Deep Learning Nanodegree

uOttawa

Unofficial Transcript

Name: **Meet Shukla**
Student ID: **300291000**   **OEN: 782434112**

Print Date: 2023-09-26
05-22

Start of Transcript

2022 Fall Term

Master of Computer Science

Course		Description	Grade	Earned	Average	Size
CSI	5137	Selected Topics in Software Engineering (Category E) App of NPL & ML in Software Eng.	A+	3.00	9.37	35
CSI	5155	Machine Learning	A+	3.00	9.22	51
CSI	5386	Natural Language Processing	A+	3.00	10.00	69

2023 Winter Term

**Master of Computer Science
(Co-op)**

Course		Description	Grade	Earned	Average	Size
CSI	5101	Knowledge Representation	A+	3.00	10.00	58
CSI	5180	Topics in Artificial Intelligence AI:Virtual Assistants	A+	3.00	9.31	55
CSI	5311	Distributed Databases and Transaction Processing	A	3.00	9.04	47

2023 Spring/Summer Term

**Master of Computer Science
(Co-op)**

Course		Description	Grade	Earned	Average	Size
CGI	6001	Co-op Work Term			N/A	N/A

2023 Fall Term

**Master of Computer Science
(Co-op)**

Course		Description	Grade	Earned	Average	Size
CGI	6002	Co-op Work Term			N/A	N/A
CSI	5134	Fault Tolerance			N/A	N/A

Q   TRANSFER CREDIT

Courses taken outside the University of Ottawa (or experience acquired) before one's admission and recognized as part of the University of Ottawa program are represented by letter « Q » in the grade column of the transcript. These courses are not included, however, in the calculation of grade point averages. Please note that credits awarded for advanced standing refer to the last program at the University of Ottawa.

X   EXEMPTIONS

Exemptions from courses normally required in the program are listed on the transcript with the symbol « X » in the grade column. They do not affect the grade point average. Exemptions must normally be replaced by other courses of equivalent weight.

UNITS

A unit is defined as 12 hours of formal lectures or the equivalent.

SIZE

Number of students enrolled in the course are indicated on the transcript provided that at least six students are enrolled in the course.

DEFINITION OF AVERAGES

CGPA   CUMULATIVE GRADE POINT AVERAGE
TGPA   TERM GRADE POINT AVERAGE

OTHER SYMBOLS

ADD   ADDITIONAL TO REQUIREMENTS (PRIOR TO SEPTEMBER 2016)
DNW   SEE « ABS »
H   HONOURS
HP   EXTRACURRICULAR (PRIOR TO SEPTEMBER 2016)
SCO   INSUFFICIENT ATTENDANCE
N/A   NOT APPLICABLE
AVG   AVERAGE
OEN   ONTARIO EDUCATION NUMBER

LEGEND

GRADES

A+ = 10
A = 9
A- = 8
B+ = 7
B = 6
C+ = 5
C = 4
D+ = 3
D = 2
E = 1
F = 0

SYMBOLS

ABS	=	ABSENT
AEC	=	IN PROGRESS
AUD	=	AUDITOR
CR	=	CREDITED COURSE
CTN	=	CONTINUING
DFR	=	DEFERRED
DR	=	DROP
EIN	=	FAILURE/INCOMPLETE
INC	=	INCOMPLETE
NC	=	NO CREDIT
P	=	PASS
S	=	SATISFACTORY
NS	=	NON SATISFACTORY