

# Austin Joyal

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**Phone:** 647-512-4238

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Experienced Software Developer pursuing Artificial Intelligence with a proven track record in Python is skilled in analyzing and communicating ideas, and has demonstrated proficiency to work under pressure and adapt readily to changes.

## SUMMARY OF QUALIFICATIONS

- Final semester student with an impressive **4.2 Cumulative GPA out of 4.5** and peer tutor at Centennial College specializing in Artificial Intelligence (Graduation: April 2023 – Eligible to work full-time now and after graduation).
- Four years of work experience as a Software Developer with an exposure to AI.
- Bachelor's Degree in Computer Science and Engineering.

## SKILLS

- Highly skilled in Python (**480<sup>th</sup> awardee of the Python Gold Badge** in Stack Overflow – 25k+ reputation influencing 980k+ developers) and Java with experience in Oracle SQL, ElasticSearch, and MongoDB.
- Expert using Python packages: pandas, numpy, tensorflow, keras, and nltk.
- Familiarity with HTML, CSS, XML, JavaScript, version control systems like Jira, Bitbucket, and Git, and environments like Windows and UNIX/LINUX.
- Skilled in deploying services to the cloud using Terraform (infrastructure as code).
- Demonstrated proficiency in Backend Development, including RESTful APIs.
- Comfortable with computer skills including proficiency in Microsoft Word, Excel, PowerPoint, etc.

## WORK EXPERIENCE

### Peer Tutor

September 2022 – Present

Centennial College, Toronto, Ontario, Canada

- Engaging with students of various backgrounds through cooperative learning.
- Helping in creating an environment to better understand the course content.
- Stressing to clarify the doubts raised during the tutoring sessions.
- Providing students with extra practice with new or difficult concepts.

### AI Software Developer

October 2021– August 2022

Matte Software, Inc., Toronto, Ontario, Canada

- Improved customer retention by 10% for clients by introducing a recommendation **engine** using a machine learning technique called collaborative filtering.
- Eased system integration and testing by developing several **RESTful APIs** using Python's

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microservice frameworks like **Flask**, **FastAPI**, and **Starlette**.

- Reduced the infrastructure costs by deploying services to the cloud (AWS, Azure and Google Cloud) through **Terraform**. (Amazon RDS for PostgreSQL instance, AWS Lambda for Function as a Service; Azure Application Gateway, Bastion, and Virtual Machine)
- Worked extensively in SQL, ElasticSearch, and PostgreSQL.
- Gained startup work experience that required more responsibility.

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## Software Engineer

July 2018 – August 2021

SunTec Business Solutions, Trivandrum, India

- Played a **key role** in delivering enhancements for projects like RBC, HSBC, Nordea, and Mashreq.
- **Refactored about 15% of the existing code base** with focus on handling vulnerabilities.
- Collaborated with the team and product stakeholders **demonstrating strong communication and interpersonal skills**.
- Participated daily in the spec processes for new features and epics on the roadmap.
- Established strong working relationships with individuals inside and outside of Engineering, and have a clear understanding of the workflows.
- Tackled minor bugs and features while performing root-cause analysis for bugs independently.

## EDUCATION

### Software Engineering Technology – Artificial Intelligence FT

September 2021 - Present

Centennial College, Toronto, Ontario, Canada

**CGPA: 4.2/4.5, Graduation Date: April 2023**

- Final semester student with an impressive Cumulative GPA of 4.2 out of 4.5.
- Peer tutoring previous semester students of various backgrounds through cooperative learning; helping them excel in their courses.

Relevant courses:

Java Programming

Introduction to AI

Data Structures and Algorithms

Software Design

Web Application Development

Advanced Database Concepts

Networking for Software Developers

Supervised Learning

Unsupervised & Reinforcement Learning,

Neural Networks

Deep Learning

Natural Language Processing

Notable Academic Projects:

- A predictive software that would give an idea about the likelihood of bicycle theft and the recovery in Toronto (uses **supervised learning techniques**).

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- Spam comment identification from YouTube (**Naive Bayes algorithm**).
- Blog recommendation (**Natural Language Processing**) (in progress).

## **Bachelor's Degree in Computer Science and Engineering**

August 2014 – May 2018

Rajagiri School of Engineering and Technology, Kochi, India

- Attended a special course outside the curriculum on Object-Oriented Python Programming.
- Developed Object Recognition and Emergent News Event Detection (projects) using Python.
- Member of the Computer Society of India (CSI) during 2016-17.