# Akash Sampurnanand Pandey

[asp9085@nyu.edu](mailto:asp9085@nyu.edu) | +1-(929)-498-6395 | [Linkedin](#) | [GitHub](#)

## SUMMARY

A seasoned Software Engineering workhorse with a Master's in Computer Science from New York University and around 2 years of professional experience in public companies (Amazon and Capgemini), a Series D startup (Forward Health), and a seed-funded startup (Acadza). Skilled in Back-end technologies using Go, Python (Django), and Javascript(Node.js), and Front-end technologies like React.js. [Portfolio Website](#)

## TECHNICAL SKILLS

**Programming Languages:** Python, Go, JavaScript, Java, SQL, C++, HTML, CSS.
**Development Frameworks:** Frontend: React.js, Flask. Backend: Protobuf, gRPC, Django, Node.js.
**Databases:** MySQL, MongoDB, DynamoDB, PostgreSQL
**Technology and Tools:** REST APIs, Postman, AWS, Microservices, Git, Visual Studio Code, Linux, IntelliJ.

## WORK EXPERIENCE

**Forward Health, San Francisco** *as Software Engineer*                     Feb 2023 - June 2023

- Created 5 new APIs end to end using Go for targeted App deployment using gRPC and Protobuff. This service is being used by over 40,000 Forward users.
- Changed the build from Travis CI to GitHub Actions reducing CI/CD pipeline build by 50 percent.
- Managed and modified an E2E API for Health Apps Service use widely across the company.
- Worked with AWS stack and cloudformation along with logging services like Honeycomb.
  Skills developed - GoLang, ProtoBuff, GRPC, Backend, Microservices, Agile, TDD, Git, AWS

**Amazon Web Services (AWS), Seattle** *as Software Developer Intern*         May 2022 - Aug 2022

- Created and optimized the MetricMath Rule as part of the Health Guardian platform in AWS Lambda Team to enhance Rule integration for a microservice used by AWS Lambda customers.
- Detected Service Outage and simulated production environment to aid the Amazon Science team to fine-tune Detection Algorithms.
- Worked in a Test Driven Development (TDD) environment writing unit tests with 95 percent plus coverage along with Integration tests. Skills developed - Java, Backend, Microservices, Agile, TDD, Git

**Acadza Technologies** *as Chief Product Officer*                           Feb 2020 - Nov 2020

- Started ground up with the founder at the early stage Ed-Tech startup and managed a team of 25 people across departments. [Product Link](#).
- Delivered Django Content Management System product. Skills developed - Python, Django, Agile, Project Management, Full Stack Web Development, Git

**Capgemini** *as Associate (Software Engineering) Consultant*                         2016 - 2017

- Worked on a commercial technology platform widely used in Health Insurance Industry called Guidewire, using AGILE SDLC.
- Created REST APIs and Relational Data models to implement business logic. Skills developed - Python, Django, Agile, Project Management, Full Stack Web Development, Git

## EDUCATION

**New York University, Courant Institute of Mathematical Sciences**         Jan 2021 - Dec 2022
*Master of Science (M.S.) in Computer Science*, **GPA: 3.6/4.0**
**Indian Institute of Technology - Varanasi, India**                       Jul 2012 - May 2016
*Bachelor of Technology (B.Tech.) in Engineering*, **GPA: 7.51/10**

## PUBLICATIONS

**Automated Bayesian Hyperparameter Tuning of ML Classifiers addressing Customer Relationship Management (CRM): First Author.** [Link to Publication in Springer](#).