

ISHWAR AGARWAL

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WORK EXPERIENCE

Technology Analyst (Full-Stack Software Engineer) | Goldman Sachs | New York, NY July 2018 – Present

• **Project Lead** | Marquee Connect Mar 2020 – Present

Spearhead design and end-to-end development of an externally-facing networking-application for Institutional Investors to connect with Hedge Funds and Fund Managers to raise capital previously done manually over CRM, spreadsheet and email facilitated by a 30+ member team globally

- Develop an approval workflow microservice with Dropwizard and MongoDB currently utilized by 5 other business
- Automate data pipeline workflows with scripting and scheduled jobs reducing 5+ business and support hours/week
- Contribute to various microservices including fund performance derived metrics calculation engine based on Vert.x
- Collaborate on 2 scrum-based projects with a team of VPs, junior and senior analysts, UX Designers and QA Testers by designing system architectures, implementing features, conducting code reviews, and supporting systems

Summer Technology Analyst | Goldman Sachs | New York, NY May 2017 – August 2017

- Developed features on a AngularJS application to aid investment bankers manage deal information more efficiently
- Enhanced RESTful Microservice APIs to provide clients with concise information using *Spring Boot*
- Presented Financial Cross-Asset ID Mapping Tool for an Investment Banking Hackathon and received second place

Student Software Developer | Berea College | Berea, KY August 2015 – May 2018

- Designed and developed 3 web applications used by 1600+ students and 300+ faculty and staff within a team of 8
- Made administrative workflow more efficient by saving administrator, faculty, and staff 200+ hours per term
- Maintained systems and supported applications resolving 3+ issues based on client feedback
- Created automated VM provisioning infrastructure for 100+ CS students with backup, upgrades and maintenance using *Ansible, KVM and Bash scripts*

Co-Lead Teaching Assistant | Berea College | Berea, KY August 2016 - May 2017

- Managed a team of 18 Teaching Assistants and organize weekly departmental meetings
- Assisted faculty in managing Data Structures course and tutor 53+ students in the weekly CS labs

Software Developer Intern | Interapt | Louisville, KY May 2016 – July 2016

- Built the front-end of a single-page web application to handle employee information more securely using *Angular 2* framework by creating user access control, and reducing human errors
- Facilitated a team of 5 designers and developers for making software design decisions using agile methodology

TECHNICAL SKILLS

- **Languages:** Java, JavaScript, TypeScript, Python, C/C++, HTML, CSS
- **Frameworks:** Dropwizard, Vert.x Java, React, Redux, Angular, Flask, Flask REST
- **Platforms/Tools :** Node.js, Kubernetes, Windows, Linux, Webpack, Git, CVS
- **Databases:** MongoDB, Elasticsearch, SQL based databases

EDUCATION

B.A. in Computer and Information Science; B.A in Mathematics | Berea College | Berea, KY May 2018

- **GPA** 3.85, Computer Science Major GPA: 3.92 , Mathematics Major GPA: 4.00
- **Ballard-McConnell-Willis Mathematics Scholarship.** Awarded \$10,000 worth scholarship for excellence in Mathematics, out of 300 students in the junior class
- **Phi Kappa Phi** (2016), **Pi Mu Epsilon** (2015), **Epsilon Pi Tau** (2015), **Dean's List** Recipient (Fall 2014 - Spring 2018)

PROJECTS

- **HelloBanking (2017)**. An Amazon Alexa application to manage (transact, check balance) bank account that won First place at CatHacks3 Hackathon [*Amazon Alexa, AWS Lambda, Python(Flask)*]
- **SnapCal (2017)**. A web/mobile app that detects the amount calories in food from its image that won first place at DerbyHacks2 Hackathon [*Tensor Flow (Image Recognition), Python(Flask), Angular 2, Nutirionix API*]
- **Elementary (2016)**. An IBM Watson powered virtual teaching assistant application that answers students' questions related to programming. Won IBM award at HackNC among 650+ students. [*IBM-Watson API, Python(Flask), Jinja2*]
- **Campus Tour Guide (2015)**. A campus tour generator application that generates the shortest Hamiltonian path given a set of Google Maps building coordinates using the Branch and Bound Algorithm. [*Python, Graph Theory*]
- **AI Flappy Bird (2016)**. Trained a Neural Net to play the Flappy bird game using a reinforcement learning algorithm (MDP). [*C++, Python, Neural Network*]
- **OctoPrint** (Open Source Contribution). Resolved two issues for a web-based host for 3D RepRap printers [Python]

COMMUNITY ENGAGEMENT

Berea Innovation Studio | Studio Manager

August 2016 – May 2018

- Led a team of 20 students to work collaboratively to host and facilitate workshops and pop-up classes related to idea generation and design thinking

University Innovation Fellowship | Epicenter, NSF, Stanford University and VentureWell

February 2016 – May 2018

- One of 607 fellows nationwide helping college students develop an entrepreneurial mindset and creative confidence by organizing workshops to teach Design Thinking, Prototyping etc.

Entrepreneurship for the Public Good | Berea College

May 2015 – May 2018

- Collaborated with local activists, civic leaders and the Tourism Commission to achieve the city of Berea Trail Town Certification by assessing the feasibility of advancing adventure tourism
- Conducted workshop of 20+ students teaching them the Business Model Canvas and the Lean Startup Process