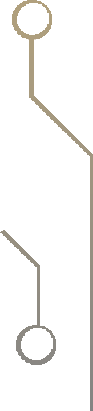
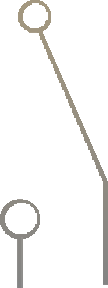
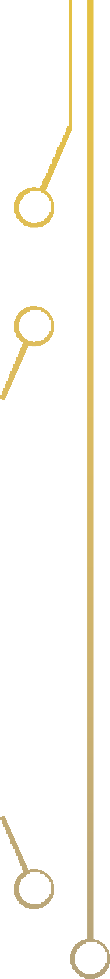
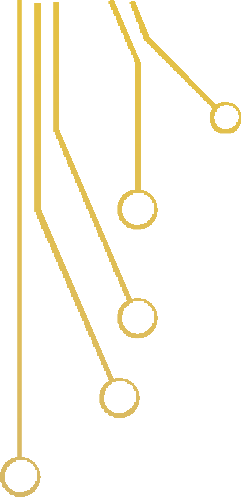
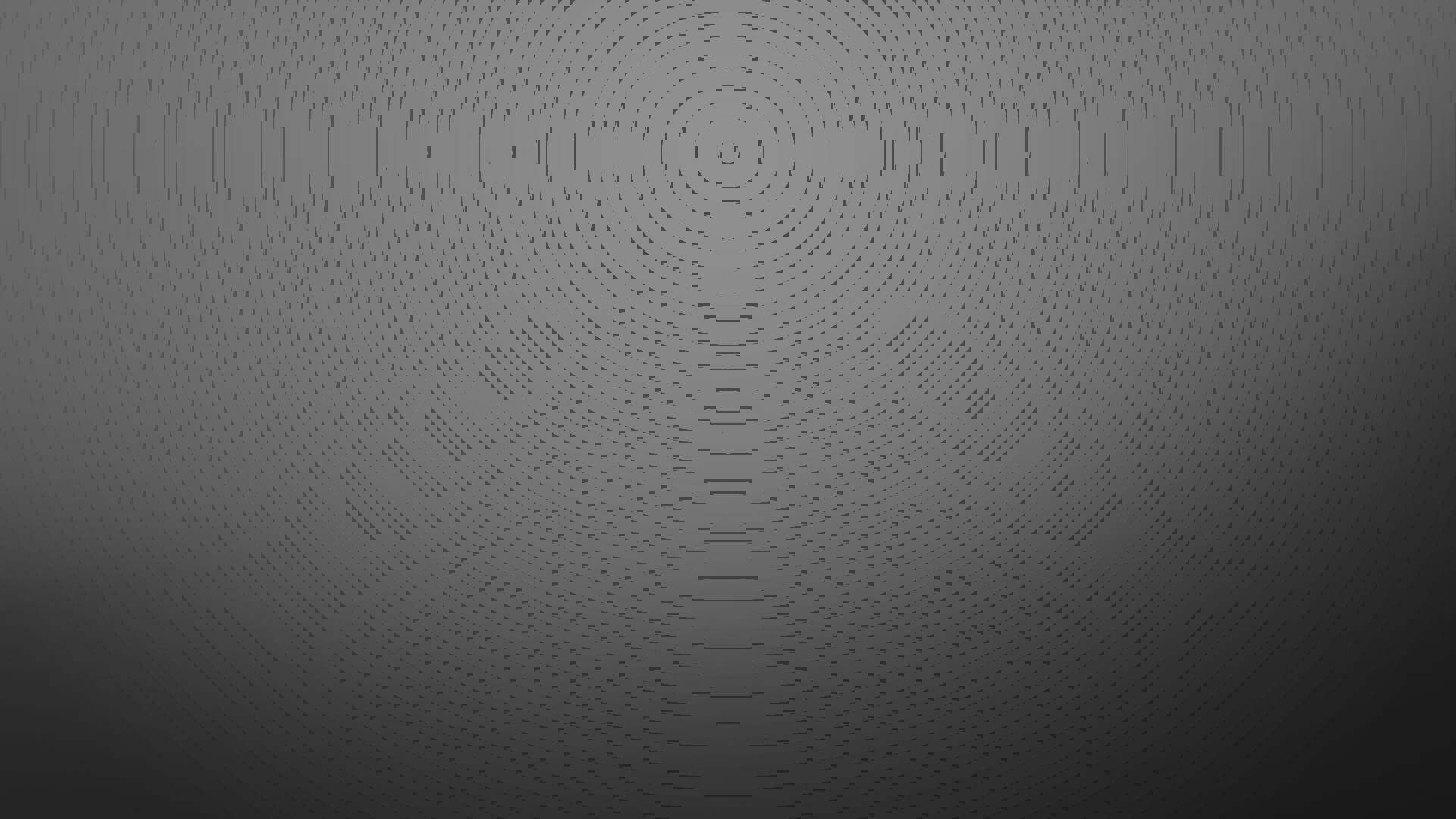
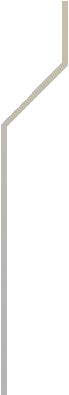
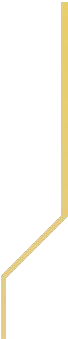
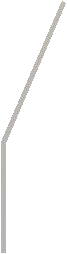
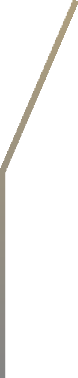
**2.Create a Career Oriented Presentation with 7 slides using transitions and animations.**

CAREER IN COMPUTER SCIENCE ENGINEERING

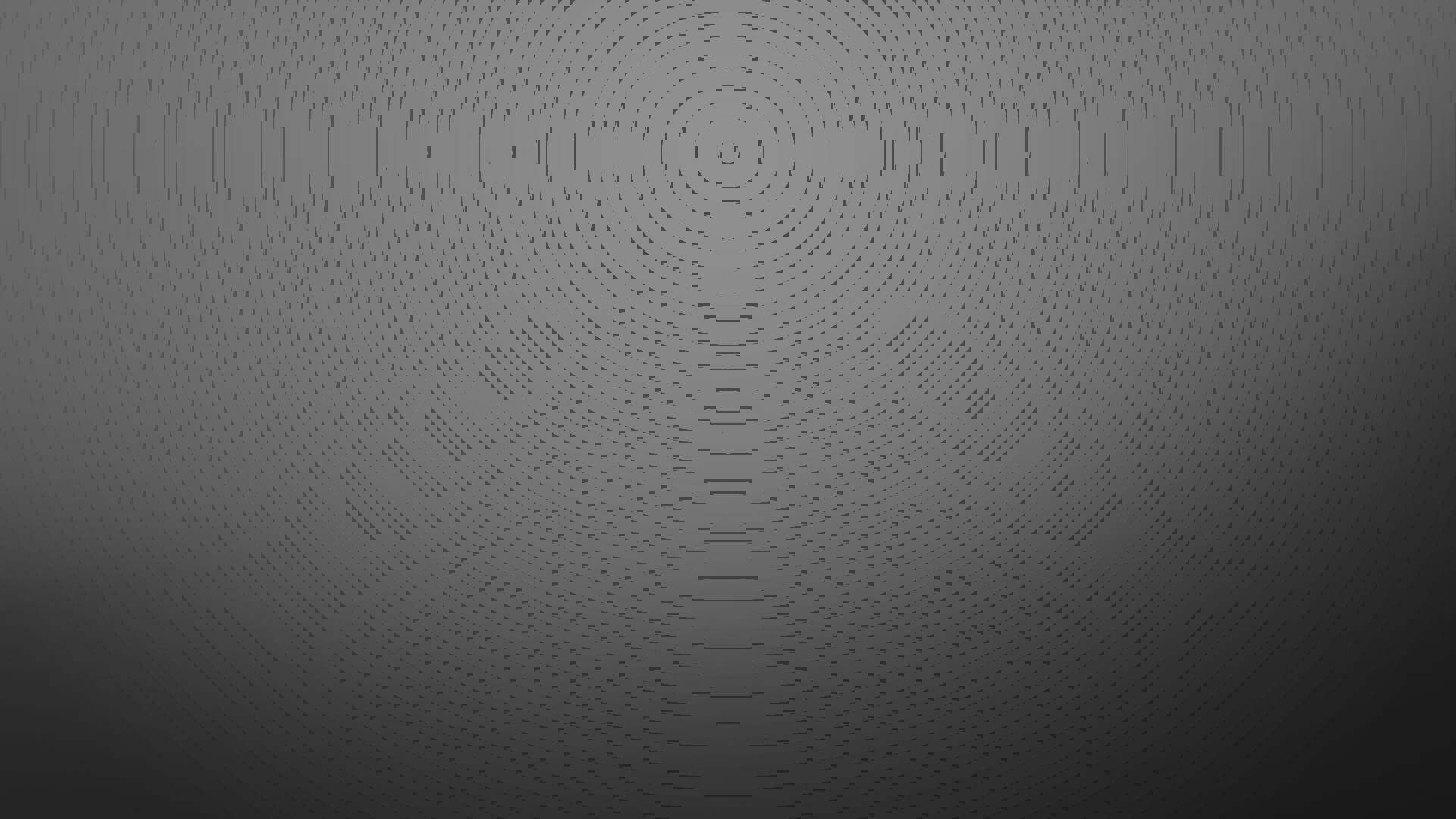


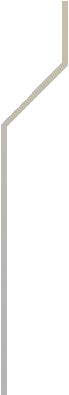
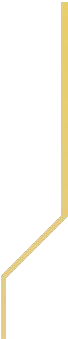
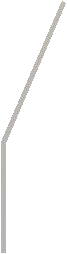
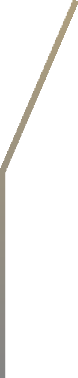
PRESENTED BY GAURAV HARDIYA

**ABOUT COMPUTER SCIENCE**

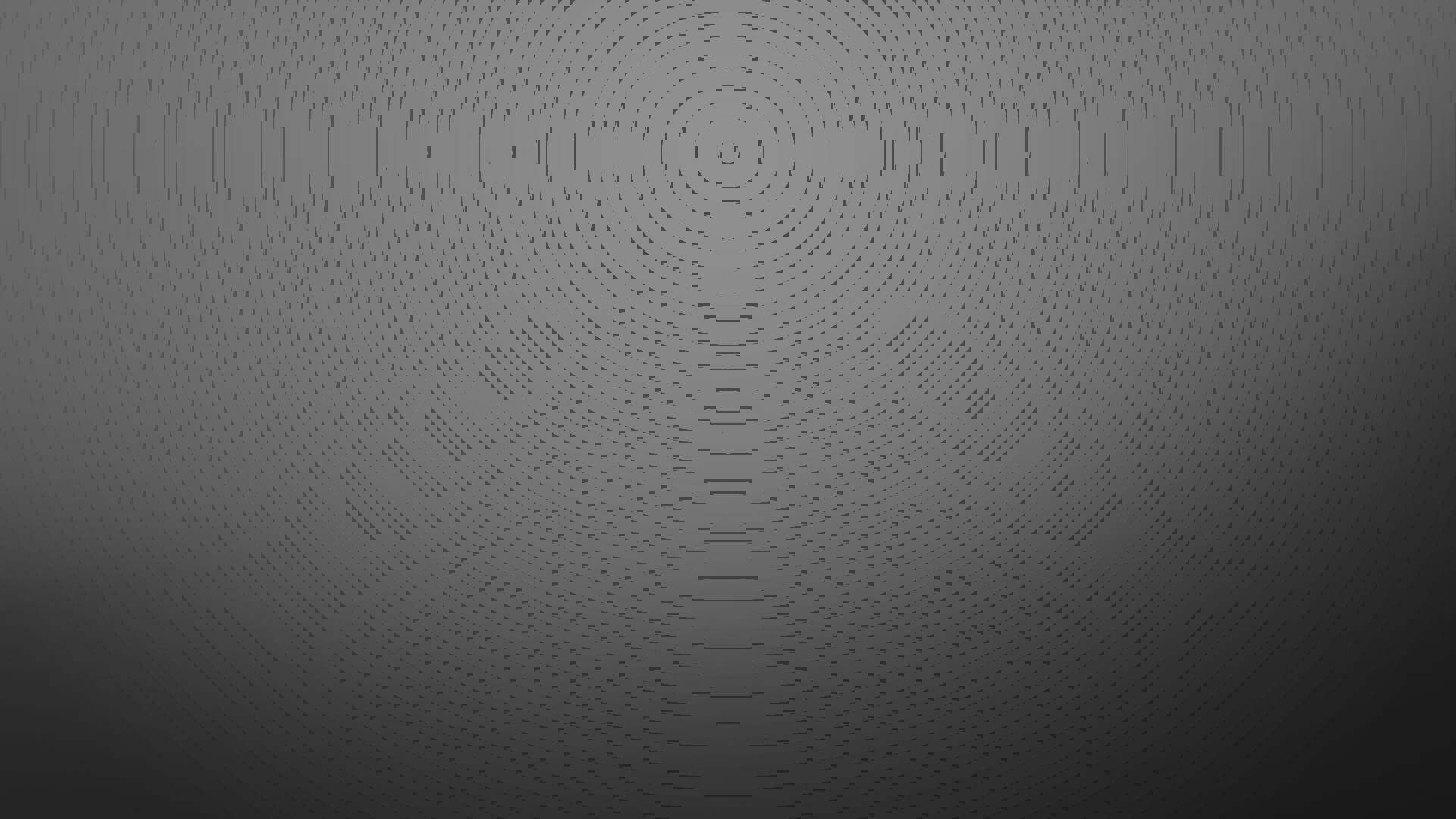


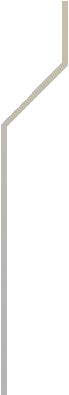
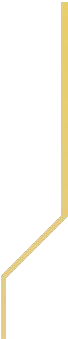
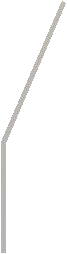
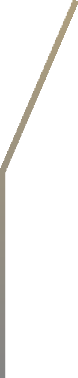
* Computer Science Engineering (CSE) is an engineering discipline that combines the principles of computer science and electrical engineering to design, develop, and maintain computer systems and software. It covers theoretical foundations like computation and algorithms, as well as practical applications like software development, artificial intelligence, and cybersecurity. CSE graduates have a broad career scope in diverse fields ranging from software and AI to robotics, data analysis, and beyond, as technology becomes integral to every modern industry.

KEY RESPONSIBILITIES :



* + **[Algorithm and software development](https://www.google.com/search?sca_esv=c5d665130b0b830b&rlz=1C1ASUM_enIN1186IN1186&cs=0&sxsrf=AE3TifOKHyDG3jjb0aKBcd_d7EHPfOkv7w%3A1761831105473&q=Algorithm%2Band%2Bsoftware%2Bdevelopment&sa=X&ved=2ahUKEwj1pJqphMyQAxUYyDgGHZrHB6UQxccNegQIDRAB&mstk=AUtExfD3Sp6re0lVkQZ5jhzaG9lL8MFLLeE51fUFV7BCsZsfJB02lz6Gw3Nanhephn2VTCCrxYiWnu2AdiHrZ45iuB94R5QuQaJCiU-1f0UZdvFpLWMqaeI71bczL-z3711Ld5MbTGNOGpze2co_qTosEZuSs0q3lKmpjF-53hiF5nbratMfPjGVHf1G-iiS7WMQltAa9dE7YK6F0R-pMeyw5NurqAR2rf_doMjw-OG__ULAXBOPE7x5Gjh4qIZwIVJRHvH9tWVpADU9M8gWcvoDbquPEYSI5hBZki6N2rUGipDjwZth02lAmCyTQH4cNeziuJmAk1YtlvXS2tWecfvHIjsPz_ns8f3B5AJQyncM27ZNlsznIOYo1reAKofPFb163SNGsQCAY0ZMRvMJzghFaCUqLzBtOI1W0J8os3GfSc3LO7hY0cozxJU79CKQ0eut&csui=3):**
  + Create, test, and maintain new or existing code and programs. This involves identifying and troubleshooting bugs, writing clean and well-documented code, and designing algorithms for efficiency and scalability.
  + **[System design and analysis](https://www.google.com/search?sca_esv=c5d665130b0b830b&rlz=1C1ASUM_enIN1186IN1186&cs=0&sxsrf=AE3TifOKHyDG3jjb0aKBcd_d7EHPfOkv7w%3A1761831105473&q=System%2Bdesign%2Band%2Banalysis&sa=X&ved=2ahUKEwj1pJqphMyQAxUYyDgGHZrHB6UQxccNegQIDhAB&mstk=AUtExfD3Sp6re0lVkQZ5jhzaG9lL8MFLLeE51fUFV7BCsZsfJB02lz6Gw3Nanhephn2VTCCrxYiWnu2AdiHrZ45iuB94R5QuQaJCiU-1f0UZdvFpLWMqaeI71bczL-z3711Ld5MbTGNOGpze2co_qTosEZuSs0q3lKmpjF-53hiF5nbratMfPjGVHf1G-iiS7WMQltAa9dE7YK6F0R-pMeyw5NurqAR2rf_doMjw-OG__ULAXBOPE7x5Gjh4qIZwIVJRHvH9tWVpADU9M8gWcvoDbquPEYSI5hBZki6N2rUGipDjwZth02lAmCyTQH4cNeziuJmAk1YtlvXS2tWecfvHIjsPz_ns8f3B5AJQyncM27ZNlsznIOYo1reAKofPFb163SNGsQCAY0ZMRvMJzghFaCUqLzBtOI1W0J8os3GfSc3LO7hY0cozxJU79CKQ0eut&csui=3):**
  + Analyze user needs and design computer systems, software, and networks to meet those requirements. This can include developing new tools or upgrading existing systems to improve performance.
  + **[Research and innovation](https://www.google.com/search?sca_esv=c5d665130b0b830b&rlz=1C1ASUM_enIN1186IN1186&cs=0&sxsrf=AE3TifOKHyDG3jjb0aKBcd_d7EHPfOkv7w%3A1761831105473&q=Research%2Band%2Binnovation&sa=X&ved=2ahUKEwj1pJqphMyQAxUYyDgGHZrHB6UQxccNegQIEBAB&mstk=AUtExfD3Sp6re0lVkQZ5jhzaG9lL8MFLLeE51fUFV7BCsZsfJB02lz6Gw3Nanhephn2VTCCrxYiWnu2AdiHrZ45iuB94R5QuQaJCiU-1f0UZdvFpLWMqaeI71bczL-z3711Ld5MbTGNOGpze2co_qTosEZuSs0q3lKmpjF-53hiF5nbratMfPjGVHf1G-iiS7WMQltAa9dE7YK6F0R-pMeyw5NurqAR2rf_doMjw-OG__ULAXBOPE7x5Gjh4qIZwIVJRHvH9tWVpADU9M8gWcvoDbquPEYSI5hBZki6N2rUGipDjwZth02lAmCyTQH4cNeziuJmAk1YtlvXS2tWecfvHIjsPz_ns8f3B5AJQyncM27ZNlsznIOYo1reAKofPFb163SNGsQCAY0ZMRvMJzghFaCUqLzBtOI1W0J8os3GfSc3LO7hY0cozxJU79CKQ0eut&csui=3):**
  + Conduct research to develop new computational theories, models, and technologies. This includes applying concepts from machine learning, artificial intelligence, and data science to solve real-world problems.
  + **[Data management and analysis](https://www.google.com/search?sca_esv=c5d665130b0b830b&rlz=1C1ASUM_enIN1186IN1186&cs=0&sxsrf=AE3TifOKHyDG3jjb0aKBcd_d7EHPfOkv7w%3A1761831105473&q=Data%2Bmanagement%2Band%2Banalysis&sa=X&ved=2ahUKEwj1pJqphMyQAxUYyDgGHZrHB6UQxccNegQIExAB&mstk=AUtExfD3Sp6re0lVkQZ5jhzaG9lL8MFLLeE51fUFV7BCsZsfJB02lz6Gw3Nanhephn2VTCCrxYiWnu2AdiHrZ45iuB94R5QuQaJCiU-1f0UZdvFpLWMqaeI71bczL-z3711Ld5MbTGNOGpze2co_qTosEZuSs0q3lKmpjF-53hiF5nbratMfPjGVHf1G-iiS7WMQltAa9dE7YK6F0R-pMeyw5NurqAR2rf_doMjw-OG__ULAXBOPE7x5Gjh4qIZwIVJRHvH9tWVpADU9M8gWcvoDbquPEYSI5hBZki6N2rUGipDjwZth02lAmCyTQH4cNeziuJmAk1YtlvXS2tWecfvHIjsPz_ns8f3B5AJQyncM27ZNlsznIOYo1reAKofPFb163SNGsQCAY0ZMRvMJzghFaCUqLzBtOI1W0J8os3GfSc3LO7hY0cozxJU79CKQ0eut&csui=3):**
  + Design and manage databases, analyze large-scale data sets, and extract meaningful insights to inform decision-making.
  + **[Collaboration and communication](https://www.google.com/search?sca_esv=c5d665130b0b830b&rlz=1C1ASUM_enIN1186IN1186&cs=0&sxsrf=AE3TifOKHyDG3jjb0aKBcd_d7EHPfOkv7w%3A1761831105473&q=Collaboration%2Band%2Bcommunication&sa=X&ved=2ahUKEwj1pJqphMyQAxUYyDgGHZrHB6UQxccNegQIDxAB&mstk=AUtExfD3Sp6re0lVkQZ5jhzaG9lL8MFLLeE51fUFV7BCsZsfJB02lz6Gw3Nanhephn2VTCCrxYiWnu2AdiHrZ45iuB94R5QuQaJCiU-1f0UZdvFpLWMqaeI71bczL-z3711Ld5MbTGNOGpze2co_qTosEZuSs0q3lKmpjF-53hiF5nbratMfPjGVHf1G-iiS7WMQltAa9dE7YK6F0R-pMeyw5NurqAR2rf_doMjw-OG__ULAXBOPE7x5Gjh4qIZwIVJRHvH9tWVpADU9M8gWcvoDbquPEYSI5hBZki6N2rUGipDjwZth02lAmCyTQH4cNeziuJmAk1YtlvXS2tWecfvHIjsPz_ns8f3B5AJQyncM27ZNlsznIOYo1reAKofPFb163SNGsQCAY0ZMRvMJzghFaCUqLzBtOI1W0J8os3GfSc3LO7hY0cozxJU79CKQ0eut&csui=3):**
  + Work with other professionals like software engineers and data scientists, and present technical information and research findings to various stakeholders.

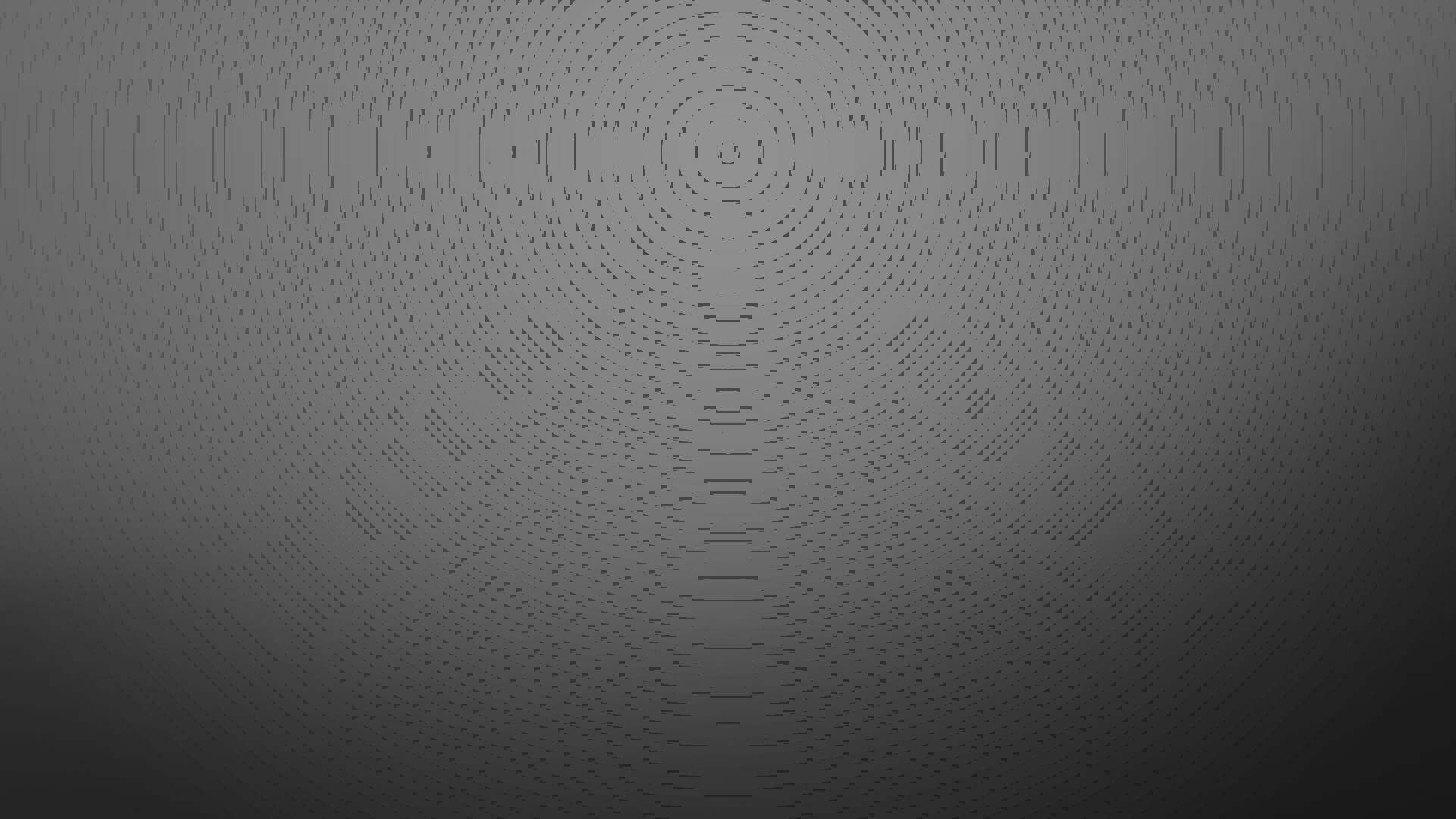
WHO’S COMPUTER SCIENCE SPECIALIST

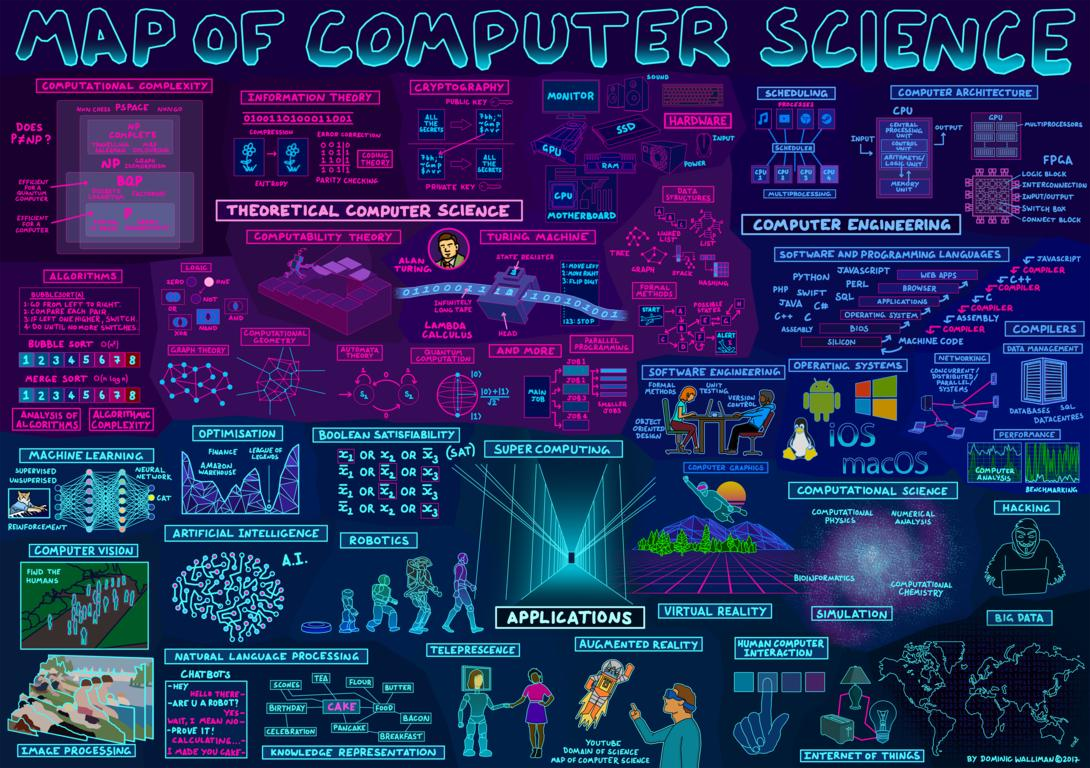
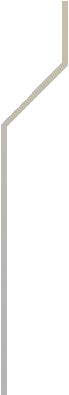
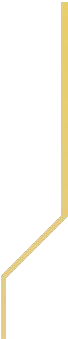
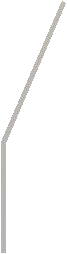
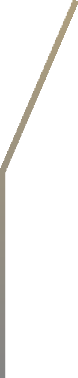


* A computer science specialist is an individual who applies
* their expert knowledge in computer science to design, develop, and analyze software and hardware solutions.

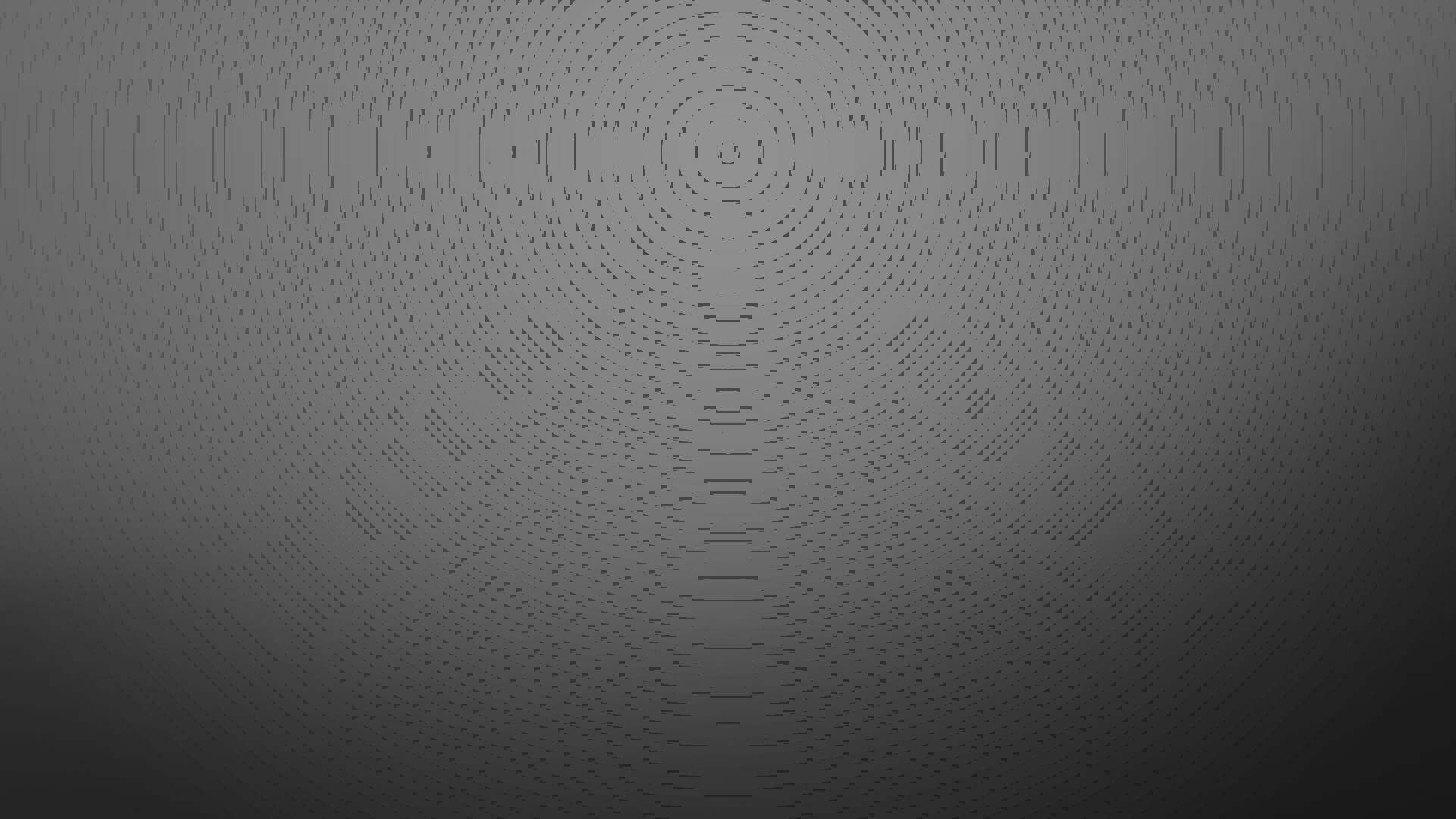
They use skills in programming, technical knowledge

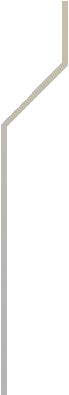
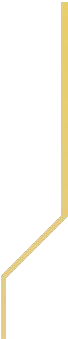
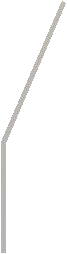
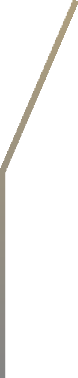
, and analytical thinking to solve complex problems in various fields by creating and improving computer systems, programs, and networks

Advising and training colleagues on computer science best practices and collaborating with other IT and security personnel



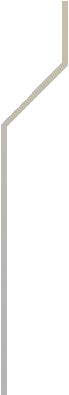
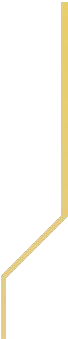
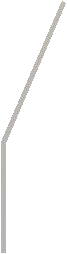
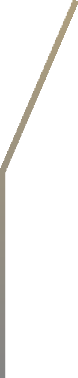
# ROAD MAP

SKILLS REQUIRED



* + TECHNICAL SKILLS
  + **Programming languages:**
  + Proficiency in languages like Python, Java, C++, and JavaScript is fundamental for creating software and applications.
  + **Data structures and algorithms:**
  + A strong understanding of DSA is crucial for efficient problem-solving.
  + **Software development:**
  + Knowledge of the software development lifecycle, including methodologies like Agile, version control (Git), and testing.
  + SOFT SKILLS
  + **Problem-solving:**
  + The ability to analyze complex issues, think critically, and develop effective solutions.
  + **Communication:**
  + The capacity to clearly explain technical concepts to both technical and non-technical audiences.

# FUTURE SCOPE



* The future scope for computer science (CS) engineers is vast and promising, with high demand in emerging fields like Artificial Intelligence (AI), Machine Learning (ML), cybersecurity, and cloud computing.

Emerging and in-demand fields

* AI&ML
* Data science
* cyber security